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Safe Label System®
Drug Labeling Solution

EN - English

Documentation Notice
This document is part of the EU MDR requirements. The Codonics Safe Label System® Product is a Class I medical devices intended for use by Healthcare Professionals. Product packaging and labeling, including Graphic User Interface (GUI) for operation are offered in English and meet MDR, Annex I, Chapter III, 23.4, taking account the training and the knowledge of the potential user.

Web information, Key Specifications, Intended Use, User Manual Appendices, Quick Start Guide and Setup IFU (Instructions for use) are available in basic translation for Member State Languages. Primary IFU are available in English.

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Products packaging and labeling, including Graphic User Interface (GUI) for operation are
Offered in English and meet MDR, Annex I, Chapter III, 23.4, taking account the training and the knowledge of the potential user.

*Web information, Key Specifications, Intended Use, User manual Appendix, Quick Start Guide & Setup IFU are available in simple translation Member State Languages; primary IFU are available in English

Overview:
Codonics Safe Label System SLS 550i Point of Care Station (PCS) is the standard of care in the world's leading hospitals. An award-winning FDA Class II medical device, the system improves the safety and accuracy of medication management and labeling compliance anywhere medications are prepared. In the OR, SLS integrates with anesthesia medication carts to electronically identify the drug in hand. Visual and audible confirmation based on the NDC of the vial/ampoule provides clinicians with a real-time safety check that acts as a second set of eyes, helping to eliminate the most prevalent medication errors. On demand, SLS produces a ready-to-apply TJC-compliant label that includes a barcode that captures the NDC from the parenteral vial for integration at administration with Epic and Cerner. When used in conjunction with Codonics SLS-WAVE, this process electronically documents the patient record 'hands-free' to improve charge capture, billing accuracy and 340B compliance, creating standardization and enabling BCMA in the OR.

Safe Label System:
Integrates with existing workflows, adding TJC compliance and pharmacy oversight at every location where on-demand medications are prepared, such as the OR, ICU, PACU, patient floors and pharmacy

Provides clinicians with electronic medication safety checks while increasing productivity

Allows hospital-approved drugs, diluents, concentrations, and total dose/total volume preparations to be integrated with worldwide recognized best practices and international standards in a formulary managed by pharmacy and available at the fingertips of anyone
preparing medications

Captures the exact NDC of the parenteral vial and carries it to the prepared label to provide 100% accurate documentation for charge capture and 340B accountability

Can be managed remotely including software updates and provides status feedback to specified users via the Administration Tool and Email Notifier (optional)

When used in conjunction with SLS-WAVE, the complete solution enables 'hands-free' integration with Epic and Cerner to maximize revenue, improve patient outcomes and clinician workflow by reducing manual clicks

Improve Patient Safety

Errors in preparation and selection as well as documentation inaccuracies occur for a number of reasons. Multiple distractions, poor handwriting and look-alike /sound-alike drugs greatly contribute to the potential for medication errors. SLS embraces the call to improve patient and medication safety by:

Reduces the most common drug errors made during the selection, preparation and administration of injectable and intravenous medications in the OR, including vial/ampoule swaps, mislabeling/illegible labeling, syringe swaps and expired syringes

Meets the ISMP and APSF recommendations that every anesthetizing location should have a mechanism to identify medications before drawing them up or administering them (barcode reader)

Automatically presents clinicians with visual and audible confirmations of each drug and concentration, incorporating electronic safety checks to remove the element of human error

Specifications

System: Integrated touch screen computer, 2D barcode scanner, color ink jet printer, audio feedback and network capable
(Ethernet standard, Wi-Fi optional)

Power: Universal Input: 100-240 VAC, 50/60 Hz

Dimensions: 10.43 " (26.5 cm) W, 15.67" (39.8 cm) D, 16.50 " (41.9 cm) H

Weight: 14.5 lbs. (6.6kg)
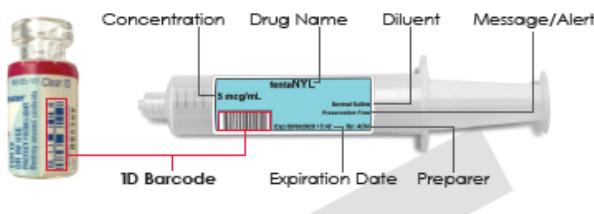
Regulatory: Full medical device compliance including Class 2 FDA and Class I MDR 2017/745/EU (CE), GMP/QSR, ISO 13485:
2016/NS-EN ISO 13485:2016, Electrical Safety IEC 60601-1 Ed. 3.1 and EMC/EMI: FCC Class A and IEC 60601-1-2: Ed. 4 for Professional Healthcare Facilities

Readable Barcodes: Code 128, GS1-128, Data Matrix, UPC-A, UPC-E, EAN-13, EAN-8,
GS1 DataBar Family, Interleaved 2 of 5, ITF-14, Code 39, Code 32,
ISBT 128, QR Code

Writable Barcodes: Data Matrix, EAN-13/UPC-A

Exact NDC matching vial to syringe

Captures NDC of parenteral vial, providing 100% accurate documentation for charge capture and the exact NDC for 340B accountability

Prints full-color labels that comply with The Joint Commission NPSG.03.04.01*, and meet the intent of ISO 26825, ASTM 4774 Standards & ASA Guidelines

*Prints diluent and dilution if required

fentaNYL
50 mcg/mL
John Doe

Shown with patient information when integrated with EMR/ADC

Flumazenil
0.1 mg/mL

Shown with auxiliary barcode

fentaNYL
Preservative Free   Normal Saline
DILUTION   10 mcg/mL

Naloxone
0.2 mg/mL

Vecuronium
10 mg/10 mL
(1 mg/mL)   Sterile Water
Paralyzing Agent

Neostigmine
Sterile Water
DILUTION   0.5 mg/mL

EPINEPHrine
10 mg/10 mL
(1 mg/mL)

hydrALAZINE
10 mg/mL   Normal Saline

Propofol
10 mg/mL

Meperidine-Promethazine
25 mg/mL   25 mg/mL
NPF Free

Promethazine
25 mg/mL

Heparin
5,000 Units/mL

60 mm x 22 mm standard size labels

Midazolam
5 mg/mL
Preservative Free

Barcode for EHR/AIMS integration

SLS User Manual

Preface

Conventions Used in This Manual

Bulleted Lists

Bullets are used to display a list of nonprocedural items. For example:

The following events trigger a synchronization of SLS data to that stored on the

SmartDrive:
      Automatically every 15 minutes
      Formulary updates

Numbered Steps

The icon indicates the beginning of a procedure. The steps in a procedure are numbered. For example:
      Open the front cover.
      Press the Ink button.

Notes

Notes contain additional information related to a topic or procedure. For example:

NOTE: The system will ensure that a test print is performed at least once a day.

Cautions and Warnings

Cautions alert you to actions or situations that could cause harm to equipment or data.

For example:
Warnings alert you to actions or situations that could result in personal injury. For example:

Important Information and Filenames
Bold type is used for emphasis, user interface object names, and paths or filenames.

For example:
      The Barcode Scanner scans drug container barcodes for identity and verification.
      Use the controls to correct the date and time, then press the OK button.

Purpose and Scope

Refer to this User's Manual for procedures on how to perform Safe Label System (SLS) user operations, including:
      Setting up the hardware and software
      Performing basic functions such as logging in and out, and configuring some
      System settings (for example, sound volume, brightness)
      Printing and confirming syringe labels
      Checking drug syringes by scanning their barcodes
      Maintaining the system
      Monitoring system status and troubleshooting common problems

Product Information

For technical assistance with SLS Point of Care Station, call Codonics Technical Support at the following number:
Phone: +1 440.243.1198
Toll Free: 800.444.1198 (USA only)
Technical Support is available 24/7/365. Technical Support is also available online via email and the Codonics web site:
Email: support@codonics.com
Web Sites: www.codonics.com
General product information can also be requested by sending email to:
Email: info@codonics.com
Please include your postal mailing address and telephone number in the email message.
Basic product information is returned via email unless otherwise requested.
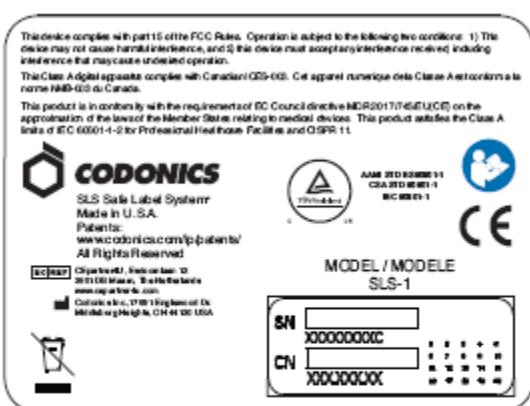
Warnings and Limitations of Use
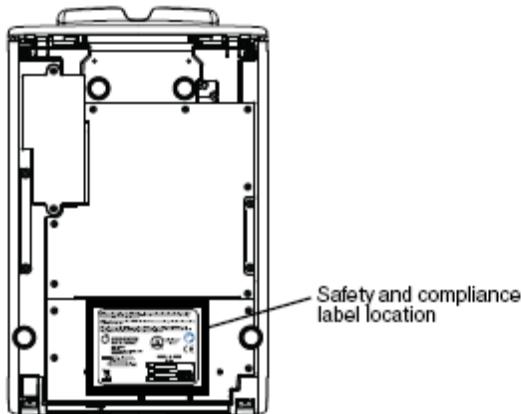
Location of Safety and Compliance Labels

Codonics is in compliance with various regulations.

The SLS PCS safety and compliance label, shown below, is located on the bottom of the device (shown on the following page).

SLS PCS safety and compliance label

SLS PCS safety and compliance label, on bottom of device

Voltage Warning

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying this device.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. REMOVAL OF LABELS, COVERS, OR ENCASEMENT FASTENERS MAY VOID THE WARRANTY.
THIS APPARATUS MUST BE ELECTRICALLY GROUNDED.
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS DEVICE TO RAIN OR MOISTURE.

EQUIPMENT IS NOT TO BE USED AS A COMPONENT OF A LIFE SUPPORT SYSTEM. Life support devices or systems are devices or systems that support or sustain life, and whose failure to perform can be reasonably expected to result in a significant injury or death to a person. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

Laser Warning
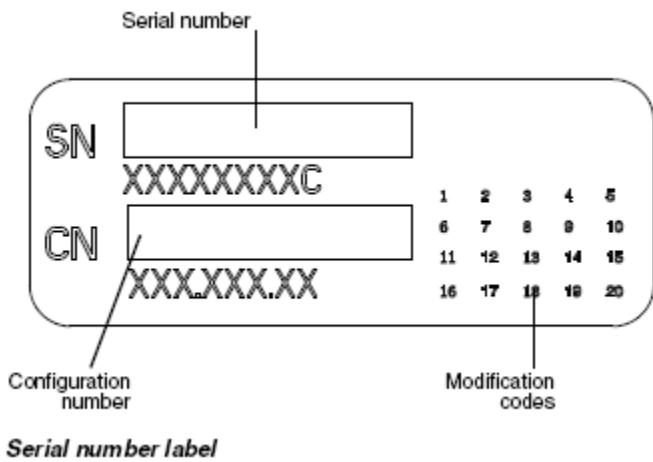
WARNING This device emits CDRH/IEC Class 2 laser and IEC Class 1M light. Do not stare into beam.

Serial Number, Configuration, Date Code, and Modification Codes

The serial number label is placed onto the safety and compliance label.
The serial number label includes the following information:

The serial number (SN), which uniquely identifies the unit.
The configuration number (CN), which details the build configuration.
The modifications codes, which are to the right of the CN number and are a series of 20 numbers. When any of these numbers are blocked out, that identifies a modification that was made to the unit.

Serial number label

Potential for Radio Frequency Interference on Device Operation

Both portable and mobile RF communications equipment can affect medical electrical equipment, including SLS PCS. SLS PCS is intended for use in the electromagnetic environment specified in the guidance and manufacturer's declaration section.

Potential for Radio and Television Interference

SLS PCS generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with Class A emission limits for a computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operating in a commercial environment. SLS PCS is not intended for use in a residential Class A environment.
SLS PCS requires a medical power/ground. If your SLS does cause interference to radio or television reception, you are encouraged to try to correct the interference by one or more of the following measures:
Reorient the receiving antenna
Relocate SLS PCS with respect to the receiver

If necessary, you should consult Codonics Technical Support or an experienced

radio/television technician for additional suggestions. You may find the following booklet prepared by the Federal Communications Commission helpful: *How to Identify and Resolve Radio-TV Interference Problems*. This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

This product is in conformity with the protection requirements of EC Council directive MDR 2017/745/EU(CE) on the approximation of the laws of the Member States relating to medical devices. This product satisfies the Class A limits of IEC 60601-1-2 for Professional Healthcare Facilities and CISPR 11. A declaration of conformity with the requirements of the Directive has been signed by a Codonics vice president.

Guidance Regarding Electromagnetic Emissions and Immunity

Suitable environments are as follows:
> SLS550i is intended for use in hospital and clinical environments including operating rooms and the perioperative environment.
> SLS550i has not been evaluated for use near HF surgical equipment. If use near HF surgical equipment is desired, the user is responsible for verifying proper operation of the SLS550i. If SLS550i does not perform correctly in this environment, move the SLS550i farther from the source of the electromagnetic disturbance.
> SLS550i has not been evaluated for use in emergency medical vehicles or in residential applications.

NOTE: The radio frequency emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

As a support device, SLS550i does not provide essential performance.

WARNING Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

WARNING Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

WARNING Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the SLS550i, its cables, or accessories. Otherwise, degradation of the performance of this equipment could result.

Electromagnetic Emissions Standards and Test Level

Test/Standard	Compliance
RF Emissions CISPR 11	Group 1. Class A
RF Emissions FCC Part 15	Class A
Conducted Emissions CISPR 11	Group 1. Class A
Harmonic Distortion IEC 61000-3-2	Class A
Voltage Fluctuations and Flicker IEC 61000-3-3	Complies

Electromagnetic Immunity Standards and Test Levels

Test/Standard	Compliance
Electrostatic Discharge IEC 61000-4-2	+-8 kV contact +-2 kV, +-4 kV, +-8 kV, +-15 kV air
Radiated RF Immunity IEC 61000-4-3	3 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz
Proximity fields from RF wireless equipment IEC 61000-4-3	Complies

Test/Standard	Compliance
Electrical Fast Transient/Burst	AC Port: ± 2 kV, 100 kHz repetition frequency
IEC 61000-4-4	SIP/SOP Ports: ± 1 kV, 100 kHz repetition frequency
Surge	Line-to-Line: ± 0.5 kV, ± 1.0 kV
IEC 61000-4-5	Line-to-Ground: ± 0.5 kV, ± 1.0 kV, ± 2.0 kV
Conducted Immunity	AC Port and SIP/SOPs:
IEC 61000-4-6	3 V, 0.15 MHz – 80 MHz
	6 V, in ISM bands between 0.15 MHz and 80 MHz
	80% AM at 1 kHz
Magnetic Field Immunity	30 A/m, 50 Hz or 60 Hz
IEC 61000-4-8	
Voltage Dips	0% UT, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°
IEC 61000-4-11	0% UT, 1 cycle AND 70% UT, 25/30 cycles, Single phase: at 0°
Voltage Interruptions	0% UT, 250/300 cycle
IEC 61000-4-11	

Safety Precautions

- **Never connect the device's external power supply to any outlet or power supply that has a voltage or frequency different than that specified (100 – 240 VAC, 50/60 Hz). Use only the external power supply provided with the device (Codonics part Number SLS-PS).**
- **When replacing the device, always power it down (refer to "Powering Off the System") and disconnect the AC power cord prior to servicing it.**
- **Damage to a power cord is a fire and shock hazard. When unplugging a power cord, hold it by the plug only and remove the plug carefully.**
- **If a power cord or external power supply needs to be replaced, replace it only with another Codonics power cord or Codonics external power supply. Alternatively, replace it with a power cord or external power supply manufactured specifically for your power configuration.**
- **If the device is smoking or making unusual sounds, power off and unplug the device immediately.**
- **Do not insert foreign objects of any kind into the device; doing so can constitute a safety hazard and cause extensive damage.**
- **Do not place any liquid containers on the device. If, for some reason, liquid seeps into the device, power off the device and unplug the power cord from the source outlet. If used without taking corrective measures, the device may be damaged.**
- **Do not expose the device to flammable gases in concentrations high enough to cause fire or explosion.**

Location Precautions

- **The operating ambient temperature range of SLS PCS is 15–30ºC (59–86ºF), with a relative humidity of 20%–80%.**

- **If SLS PCS is moved quickly from an extremely cold location to a warmer one, condensation is likely to form. Do not use SLS PCS if condensation has formed.**
- **Wait until the condensation has evaporated. You can speed up the evaporation time by moving SLS PCS to a dryer location.**
- **Do not place SLS PCS in a location with high humidity or high dust. Airborne dirt particles can cause print quality problems. Avoid placing SLS PCS in locations where ventilation ducts, open doors, or frequent passers-by might expose SLS PCS and labels to high levels of debris.**
- **Do not locate SLS PCS in hot-springs areas where hydrogen sulfide and acidic ions are likely to be generated.**
- **Do not locate SLS PCS where there are oily fumes and vapors.**
- **Do not locate SLS PCS in direct sunlight.**
- **Do not locate SLS PCS near sources of high RF energy.**
- **Do not locate SLS PCS where it might be subject to jarring or vibrations, such as a table or desk in a high-traffic area. Jarring and vibrations can affect the print quality of labels.**
- **If using a VESA mount to mount the device on a wall, stand, or anesthesia supply cart, refer to the VESA Mounting Interface Standard (MIS), available at www.vesa.org, for proper location and installation information.**

Cleaning Precautions

To avoid damage to the device, observe the following general precautions for cleaning the device:
- **Apply the cleaner to a clean, lint-free cloth first and then clean the device.**
- **Liquid applied directly to the device could possibly leak inside the device and cause damage. Use extra caution when cleaning around the vents on the back of the touchscreen and speaker.**
- **Allow the device to completely dry before operating it again.**
- **Many plastic components are used in SLS PCS construction. Coat flecking and deformation is likely to occur if the device is wiped with chemical dusters, benzene, thinners, insecticides, or other solvents. Rubber and PVC materials left in contact with SLS PCS for extended periods of time will cause damage. Never use petroleum-based solutions or abrasive cleansers.**
- **Never use abrasive material.**
- **Always dilute cleaning agents according to the manufacturer's instructions, or use the lowest possible concentration.**
- **Do not allow the cleaning agent to remain on the device surfaces. Wipe it off immediately with a lint-free cloth moistened with water.**

For cleaning instructions, refer to "Cleaning the Enclosure".

It is recommended that you disinfect the product only when necessary as determined by your hospital's policy, to avoid long-term damage to the product.

The device must be cleaned first, as described in "Cleaning the Enclosure", before using a general disinfecting agent.

Cleaning the Enclosure

WARNING Always power off the system before cleaning. An electrical shock could occur if the system is powered on and liquid is spilled into it.

To clean the system's enclosure, use a clean, lint-free cloth moistened with either warm water and mild soap, a diluted non-caustic detergent, or one of the following approved cleaning agents:
> Ammonia: Dilution of Ammonia <3%
> Alcohol: Ethanol 70%, Isopropanol 70%.

- **Over time, ink overspray might gather at the base of the device. The device uses a vacuum system to gather most of this ink on a series of saturation pads.**
- **Eventually, these pads might need to be replaced. Contact Codonics Technical Support to determine if pad replacement is necessary.**
- **If ink has gotten onto the system's enclosure, it can be cleaned with an ammonia based window cleaner and a lint-free cloth.**
- **If scanning barcodes is inconsistent or the device is having difficulty scanning, clean the scanner's glass window.**

Disinfecting the Enclosure

Recommended disinfecting agents include:
> 1 part household bleach and 5 parts water solution
> A-456-N
> Virex II 256
> PDI Sani-Cloth®

WARNING Codonics makes no claims regarding the efficacy of the listed chemicals or methods as a means of controlling infection. Consult your hospital's infection control officer or epidemiologist.

Disinfecting Precautions

To avoid damage to the device, observe the following general precautions for disinfecting the device:
- **Do not use Povodine, Sagrotan, or Mucocit disinfecting agents or strong solvents (for example, acetone).**
- **Do not use any disinfecting agents that corrode or damage polycarbonate.**

Media Precautions

- **Unwanted labels should be destroyed or disposed of to ensure that improper labels are not used.**
- **Only use Codonics ink cartridges and labels to ensure proper operation of the device and proper labeling of syringes. Using unapproved ink cartridges and labels could lead to unacceptable results, including poor print quality and poor label adhesion to syringes.**
- **Damage from unapproved ink or labels will void the warranty.**
- **Never refill ink cartridges, as this can result in incorrect color usage.**

Disposal Requirements

Disposal of this product and consumables shall be in accordance with all applicable laws and regulations in effect at the locality at the time of disposal. For additional information, refer Hazardous Material Information.

European Disposal Requirements

Codonics imagers and electronic accessory devices are not to be discarded or recycled; rather they are to be returned to the manufacturer. Contact Codonics directly or by the link provided for the latest information concerning:

Identification of the country-specific Importer/Distributor/Producer
Product return and treatment of our electronic products

Manufacturer: Codonics Inc.
17991 Englewood Drive
Middleburg Heights, OH 44130 USA
Phone: +1 440.243.1198
Fax: +1 440.243.1334
E-mail: WEEE@codonics.com
www.codonics.com

Codonics electronic products and accessories bearing the following symbol are subject to European Directive on Waste Electrical and Electronic Equipment (WEEE) 2002/96/EC, amended by Directive 2003/108/EC. The EN 50419 symbol indicates separate collection and return required.

EN 50419 symbol

Indications for Use

Device Description

Drug preparation and administration in the perioperative environment are integral aspects of anesthesiologist's patient care responsibilities. The Codonics Safe Label System (SLS) is a simple, integrated system utilizing a barcode scanner to read and confirm drug identity from FDA NDC (National Drug Code) and other drug ID Barcodes from drug containers and automatically print labels for prepared drugs and other items in use on patients during surgical procedures. The labels are compliant with national regulations focused on improving medication safety in the perioperative environment.

The software components provide functions for scanning container barcodes; creating, reviewing, and approving the hospital-managed promotion of a formulary database; displaying on-screen and audibly confirming drug type; and printing ISO, ASTM, and TJC (The Joint Commission) content- and color-compliant labels with 1D and/or 2D barcodes. The system reads drug container barcodes and produces water resistant, color labels. The system can be integrated to function with an Anesthesia Information Management System (AIMS) workflow to provide real-time documentation of drug administration when the syringe 1D or 2D barcode is read. The system can be accessed and managed via a network (Ethernet or Wi-Fi).

Device Characteristics

The use of drug class specific pattern and color per ASTM D4774 and ISO 28625 Specifications for User Applied Drug Labels in Anesthesiology is configurable by site and dataset. *Formularies* (datasets) are uniquely named configurations that may differ in drugs, colors, dilutions, and comments to accommodate different practices within a single site or hospital (for example, pediatric versus cardiac).

Additional uses include producing labels for IVs and other artifacts used during a surgical procedure.

The Codonics SLS is generally placed in, however not limited to, the perioperative environment to identify syringes prepared for anesthesiology use during surgery.

Typical users of this system are trained professionals, including but not limited to physicians, nurses, and technicians.

The major characteristics and functions of the family of devices include:
- **Scanning the drug container barcode directly from a vial or other type of container**
- **Decoding the manufacturer-issued barcode into the required FDA National Drug Code (NDC) or Unique Drug Identifier (UDI) number**
- **Referring the NDC/UDI number to a site-managed formulary lookup database**

- **Providing audio and ISO-compliant visual "readback" of the drug name**
- **Providing an alert if the drug container is listed as "recalled/obsolete" in the site's formulary**
- **Printing an easy-to-read, water resistant ISO 26825 compliant color label meeting The Joint Commission medication management standards and the American Society of Anesthesiologists guidelines for labeling**
- **Providing the basic information by which the printed label barcode can be read to document medication administration in an AIMS**
- **Printing labels with insertion and expiration date and time for IV lines**

Device Indications for Use Statement: Prescription Use Device

The Codonics SLS PCS device and SLS software provides a simple computer-based barcode scanning and printing system to automatically verify drug identity from NDC and other drug container UDI barcodes, and to print labels for prepared drugs and other items in use on patients during surgical procedures.

The Codonics SLS PCS is generally placed in, however not limited to, the perioperative environment to identify syringes prepared for anesthesiology use during surgery. Additional uses include producing labels for IVs and other artifacts used during a surgical procedure. SLS PCS can also be used to print "non-surgical environment" color and text labels as required. Typical users of this system are trained professionals, including but not limited to physicians, nurses, and technicians.

CAUTION Federal law restricts this device to be sold for use by or on the order of a physician.

Hazardous Material Information

Materials of Construction

Codonics has set very stringent standards for evaluating products to ensure the marketing of regulatory compliant products worldwide.

We do not intentionally add, nor are we aware, that the products or packaging contain the following materials:

- **Mercury, except as used in lamp applications (for example, scanning lamps, backlit LCDs).**
- **Cadmium, except as used as thick film inks on printed circuit boards.**
- **Hexavalent Chromium, except as used as thick film inks on printed circuit boards, as chromate conversion coatings on metal surfaces, and as a photoresist on glass panels of cathode ray tubes.**
- **Polybrominated diphenyl ethers and polybrominated biphenyls.**
- **Bioavailable arsenic (small amounts of arsenic used in glass, LEDs, and semiconductors are not considered to be bioavailable).**

- **Bioavailable crystalline silica (small amounts of crystalline silica are used in Certain paints, coatings, and filler materials).**
- **Polychlorinated biphenyls (PCBs).**
- **Asbestos.**
- **Organic tin (not used in tin lead solder applications).**
- **Ozone-depleting substances such as chlorofluorocarbons, methyl chloroform, and carbon tetrachloride.**

Manufacturing

During manufacturing operations that produce Codonics products (including packaging), no ozone depleting substances (such as chlorofluorocarbons, methyl chloroform, and carbon tetrachloride) are used.

Specifications

System: Integrated capacitive touch screen computer, 2D barcode scanner, color ink jet printer, audio feedback, and provision for a network interface
Ink Cartridges: One color cartridge (CMY)
SmartDrive: USB flash drive for storing configuration data, formulary database, log files
Readable Barcodes: GS1 DataBar Limited (RSS Limited), GS1 DataBar Stacked (RSS-14 Stacked), GS1-128, UPC-A, Data Matrix, Code 128, Code 128 barcodes with GS1-128, Code 39, Code 32, IFT-14, Interleaved 2 of 5, EAN-8, EAN-13
Writable Barcodes: Data Matrix
Network Interfaces: Ethernet (RJ-45), included standard
Wi-Fi (USB-2 adapter), optional, available from Codonics
Network Speeds: Ethernet, full duplex 100 Base-T only
Wi-Fi, 802.11 b/g/n (2.4 GHz) and 802.11 a/n/ac (5.0 GHz)
Network Protocols: SSH (Secure Shell) and SCP (Secure Copy)
Used to access SLS PCS from Codonics-authorized applications
Dimensions: Height: 16.5 in. (41.9 cm)
Width: 10.43 in. (26.5 cm)
Depth: 15.67 in. (39.8 cm)
Weight: 14.5 lbs (6.6 kg)

Power: Universal Input: 100-240 VAC, 50/60 Hz
Environmental: *Operating:*
Temperature: 15–30°C (59–86°F)
Humidity: 20%–80% noncondensing
Shipping and Storage:
Altitude: Sea Level to 5790 m
Temperature (Hardware): -22.2–51°C (-8–123.8°F)
Temperature (Ink Cartridge and Label Media): 1–43°C (34–110°F)
Humidity (Hardware): 5%–85% noncondensing
Humidity (Ink Cartridge and Label Media): 5%–80% noncondensing
Medical Compliance FDA cleared to market per 510(k) K101439 Class II, MDR CE (Class I),
and Regulatory: GMP/QSR ISO 13485:2016, Safety IEC 60601-1 and EMC IEC 60601-1-2 for Professional Healthcare facilities
Classification: Class II equipment, Product Code BSZ, Regulation Number 868.5160
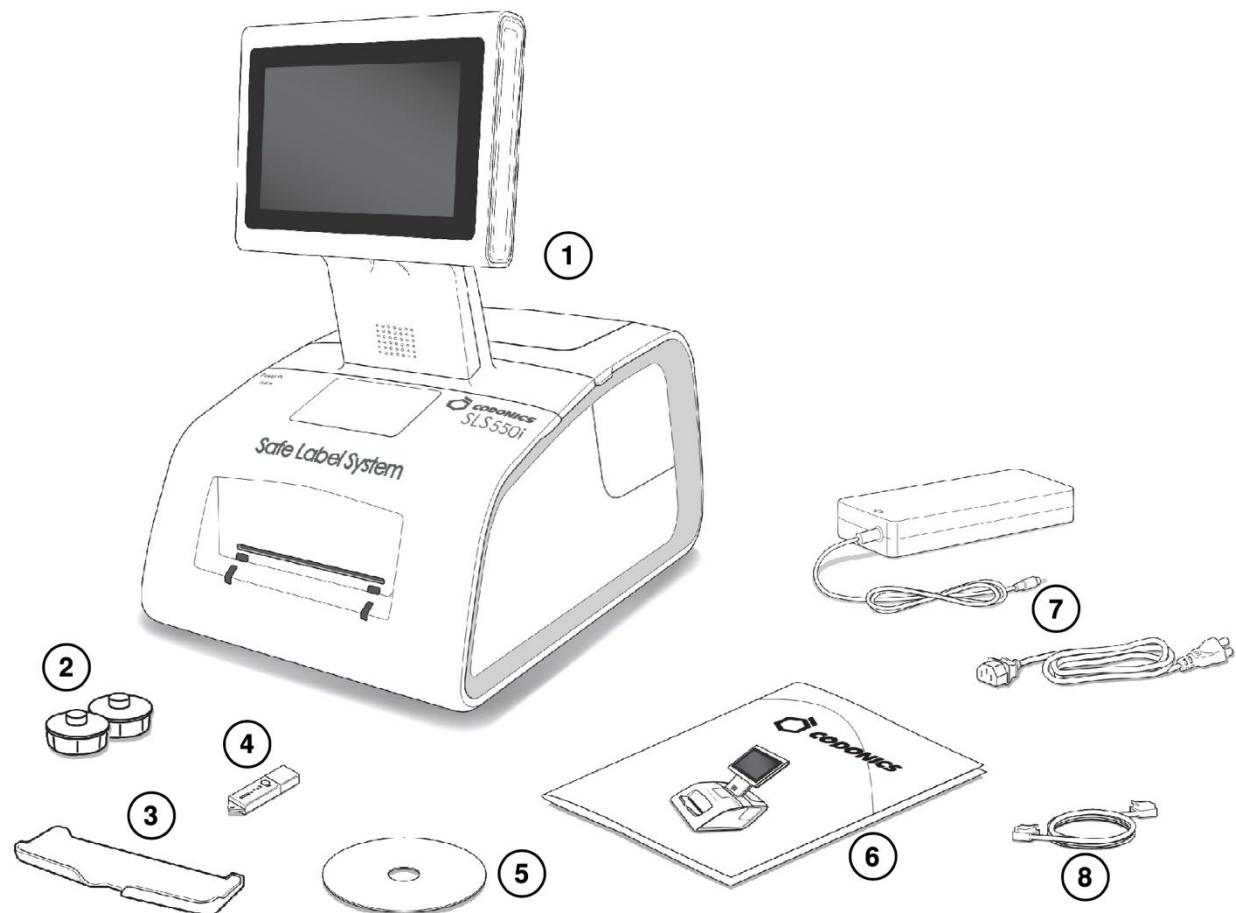
CAUTION Federal law restricts this device to be sold for use by or on the order of a physician
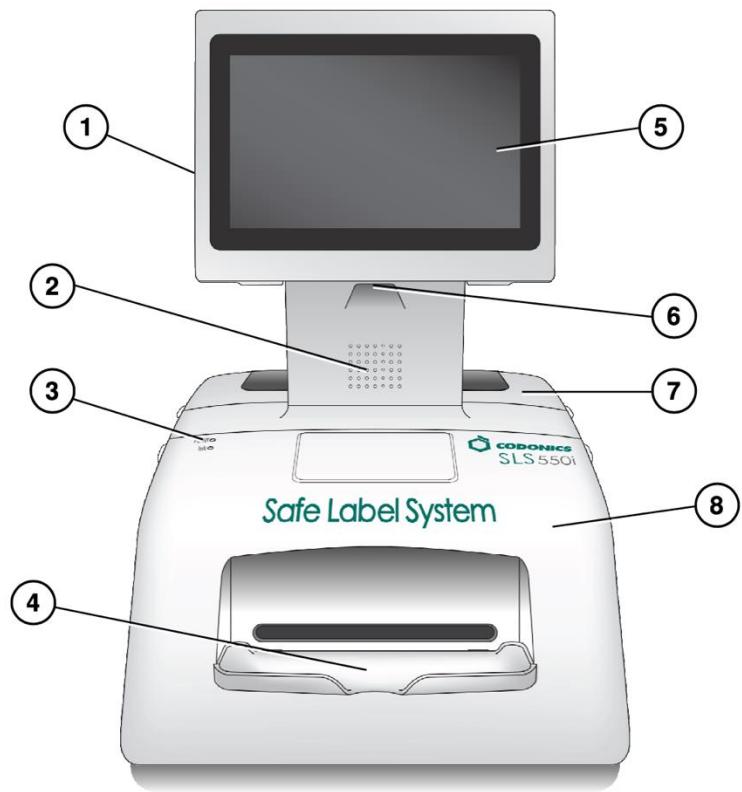
Components

Unpacked Components

1. Safe Label System

2. Label media hubs

3. Output bin

4. SmartDrive

5. User's Manual disc

6. Reference guide and other documentation

7. External power supply and cord

8.Ethernet cable

Front Components

1. **Touch screen USB port 1**

2. **Audio speaker**

3. **System power LED**

4. **Output bin (installed)**
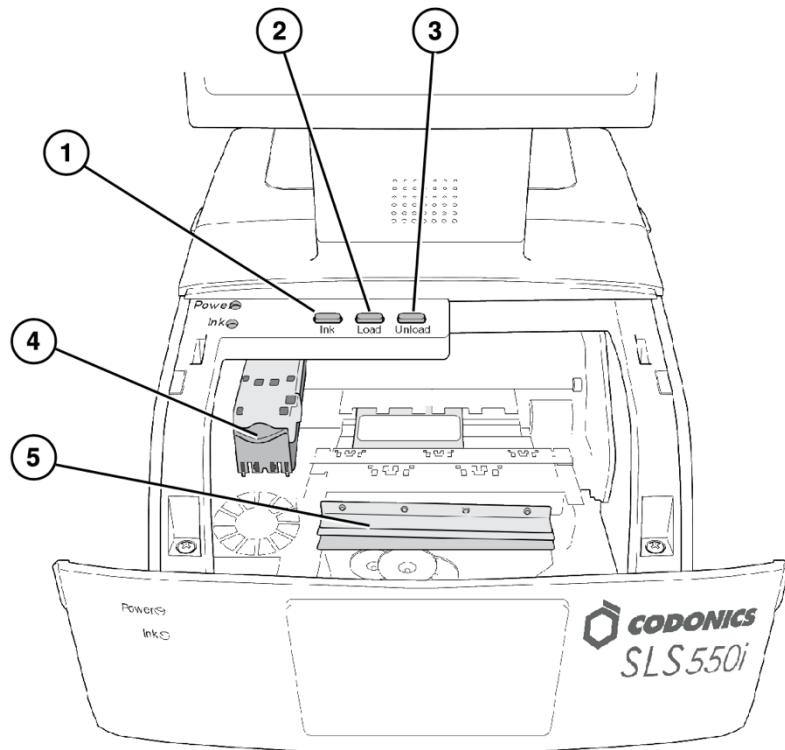
5. **Touch screen**

6. **Barcode scanner**

7. **Rear cover**

8. **Front cover**
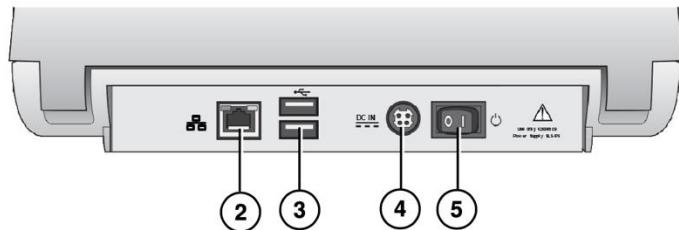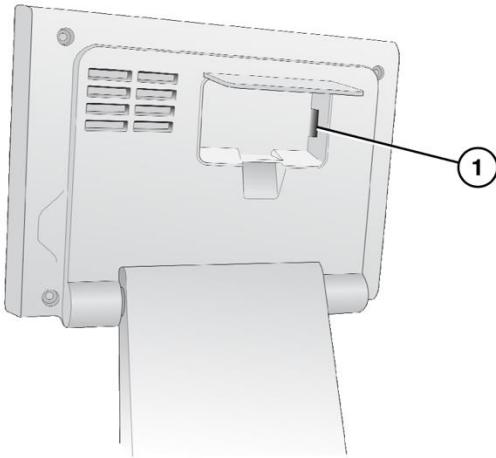
Components Inside Front Cover

1. Ink button

2. Load button

3. Unload button

4. Ink cartridge carriage

5. Label cutter

WARNING: When the front cover is open, avoid contact with the label cutter.

Rear Components

1. SmartDrive USB port 2
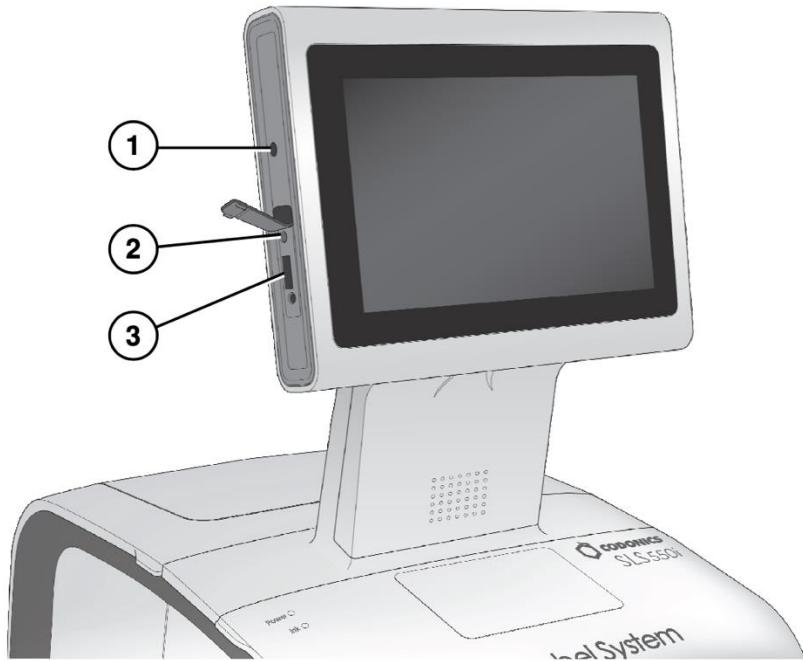
2. Ethernet port

3. USB ports

4. Power input port
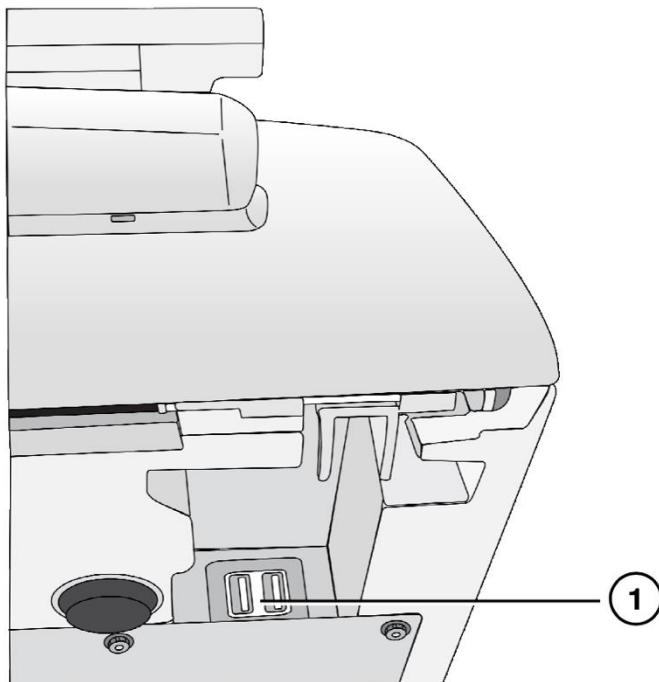
5. Power switch

Touch Screen Components

1. Power LED
2. Reset button
3. USB port

Wi-Fi Adapter USB Port
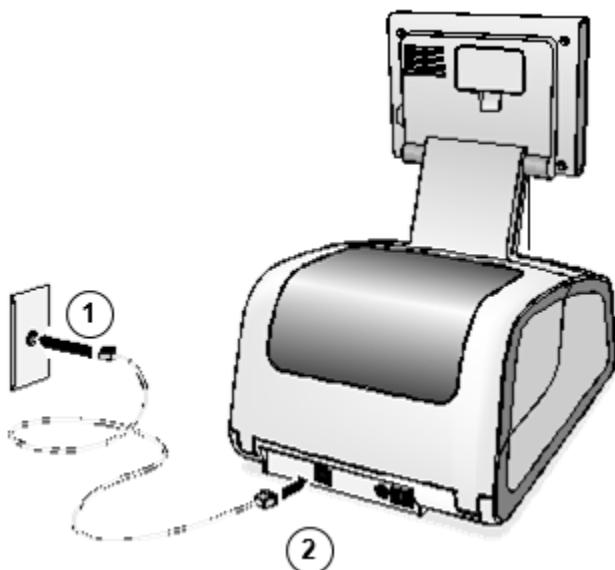
1. USB port for Wi-Fi adapter (bottom front right corner of the SLS

)

Hardware Setup

CAUTION: Only trained users should install and configure the system.

Ethernet Cable (Optional)
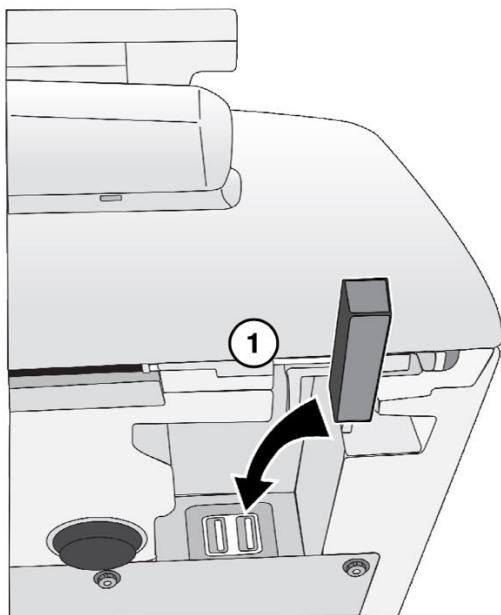
1. Connect the Ethernet cable to a hub or outlet that is connected to the network.

2. Connect the other end of the Ethernet cable to the SLS.

NOTE: For information about configuring SLS Ethernet network settings, refer to the SLS User's Manual v1.3.0.

CAUTION: The SLS supports only one network connection at a time, either Ethernet or Wi-Fi. Do not connect both an Ethernet cable and the Wi-Fi adapter at the same time.

Wi-Fi Adapter (Optional)
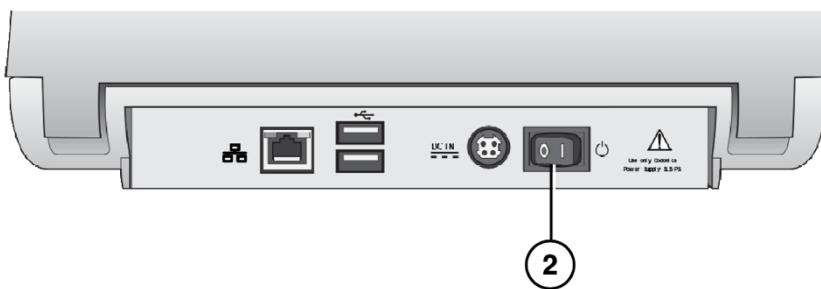
1. Insert the Wi-Fi adapter into the USB port at the bottom front right corner of the SLS.

NOTE: For information about configuring SLS Wi-Fi network settings, refer to the SLS User's Manual v1.3.0.
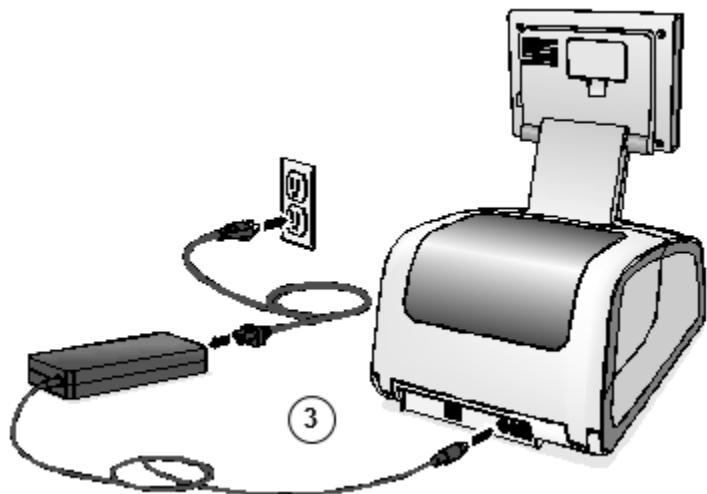
CAUTION: The SLS supports only one network connection at a time, either Ethernet or Wi-Fi. Do not connect both an Ethernet cable and the Wi-Fi adapter at the same time.

Power, SmartDrive

1. Place the SLS on a solid level surface.

2. Turn the Power switch to off.

3. Connect the external power supply.
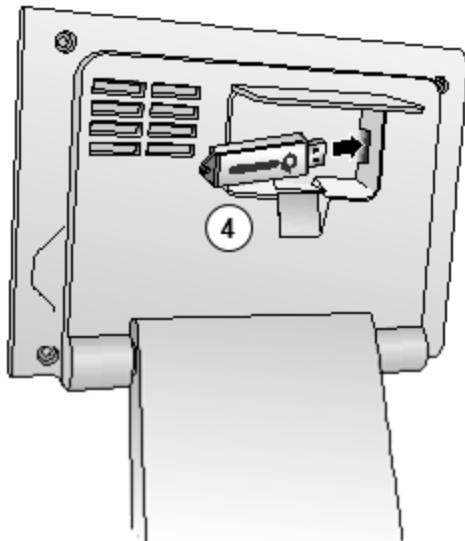
⚠ **WARNING: The power cord connected to the SLS is the main disconnect for the system.**
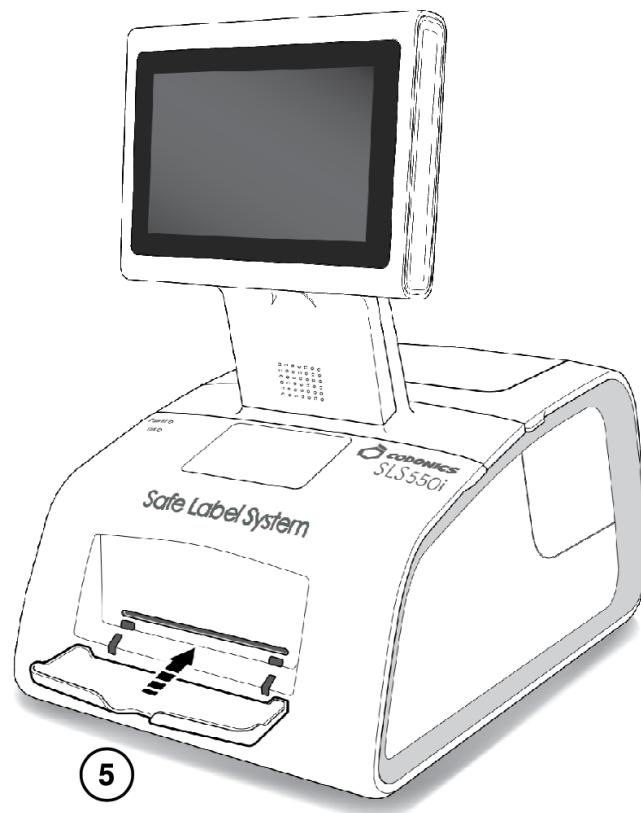
⚠ **WARNING: Grounding reliability can be achieved only when the SLS is connected to a receptacle marked "Hospital Only" (that is, "Hospital Grade").**

⚠ **WARNING: Do not touch a patient while also accessing SLS internal components that are under the access covers.**
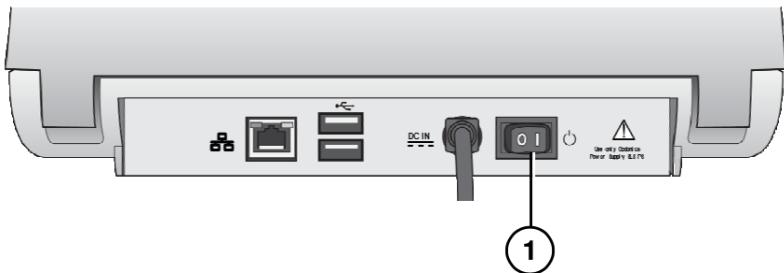
4. Insert the SmartDrive.
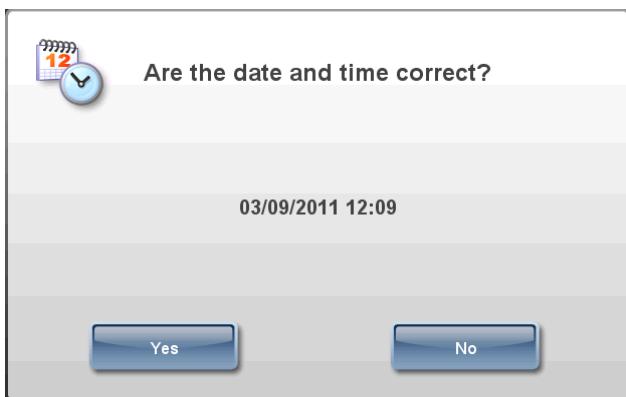
5. Insert the output bin.

Startup
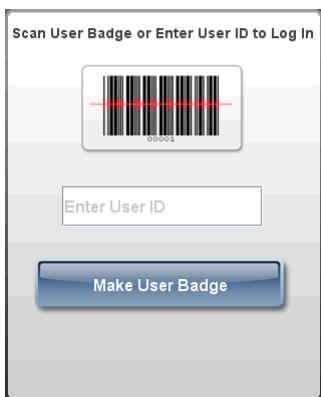
1. Turn on the Power switch.

2. Confirm or adjust the date and time.

3. The login prompt displays.

Loading Media

NOTE: Use only Codonics-supplied media.
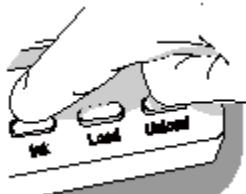
To order media, contact Codonics Customer Service at:

Phone: +1.440.243.1198
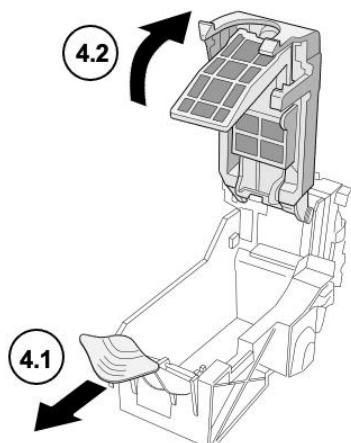
Installing the Ink Cartridge

1. Open the front cover.
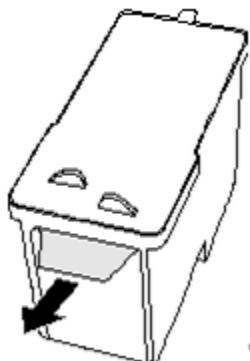
2. Press the Ink button.
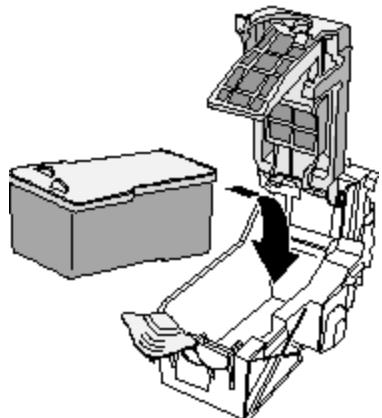
3. Wait for the ink cartridge carriage to finish moving.
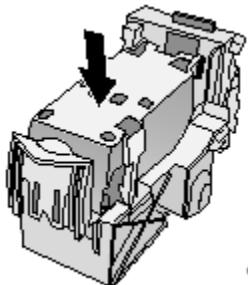
4. Open the ink cartridge carriage.
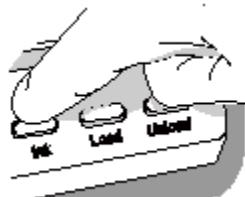
5. Remove the tape that covers the ink cartridge print head.

6. Install the ink cartridge.

7. Close the ink cartridge carriage.
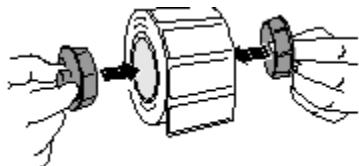
8. Press the Ink button.
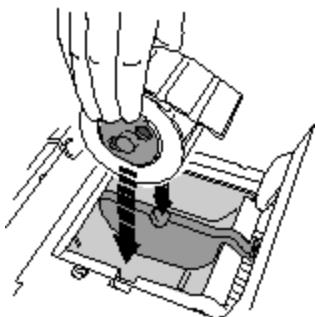
9. Close the front cover.

Loading Label Media
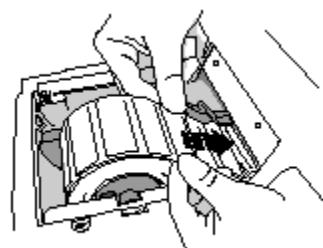
1.   Open the rear cover.
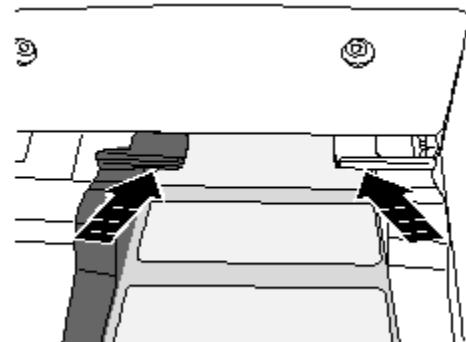
**2.   Insert the label media hubs.**

3. Place the label media and hubs in the media guides.

4. Adjust the media guides. Label media should be secure but still able to turn freely.

5. Place the label media below the media guides and into the feeder slot.

6. Feed the label media until the SLS automatically feeds it through the media path. You might need to hold the label media in place for a few seconds.

NOTE: If the SLS fails to feed the label media, open the front cover, press the Unload button, remove the media from the media path, wait until the media path rollers stop spinning, and try loading the media again.

7. Close the rear cover.

Login

Making a User Badge

1. At the Login prompt, press the Make User Badge button.
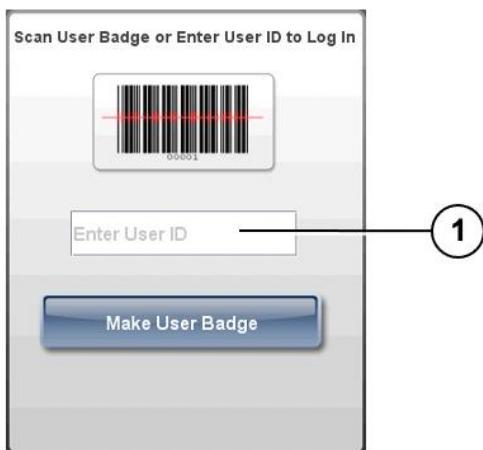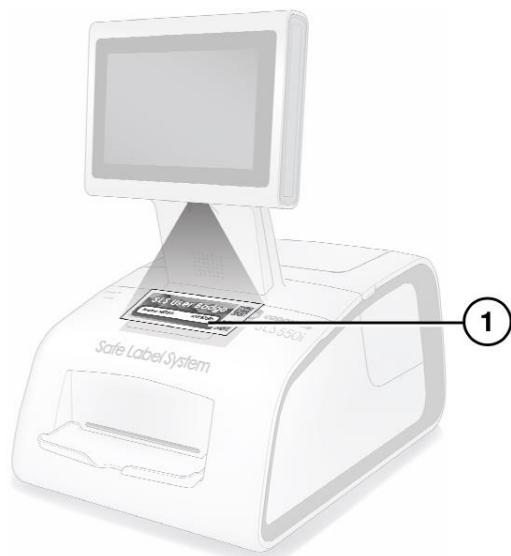
2. Enter your user information.

NOTE: The Employee ID must be unique among the SLS users.
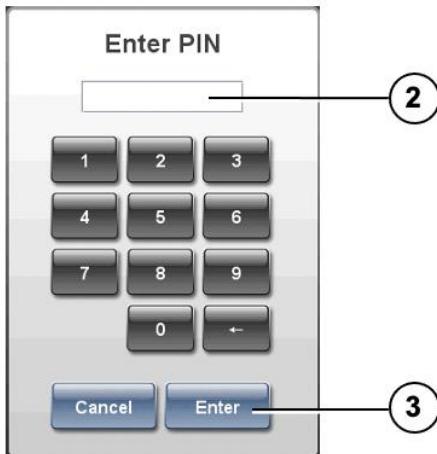
NOTE: The PIN can be up to ten digits long. If the system is not configured to require a PIN, then you will not be prompted to enter a PIN.

3. Press the Print button.

Logging In

1. At the Login prompt, scan your user badge barcode or manually enter your user ID.
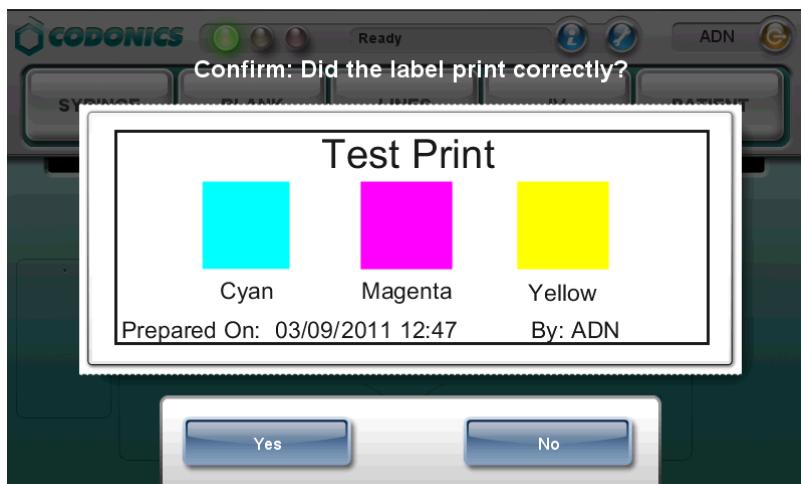
2. If the system is configured to require a PIN, enter your PIN.

NOTE: The PIN can be up to ten digits long.

3. Press the Enter button.

If a test label is printed, you are prompted to confirm that the test label printed correctly.
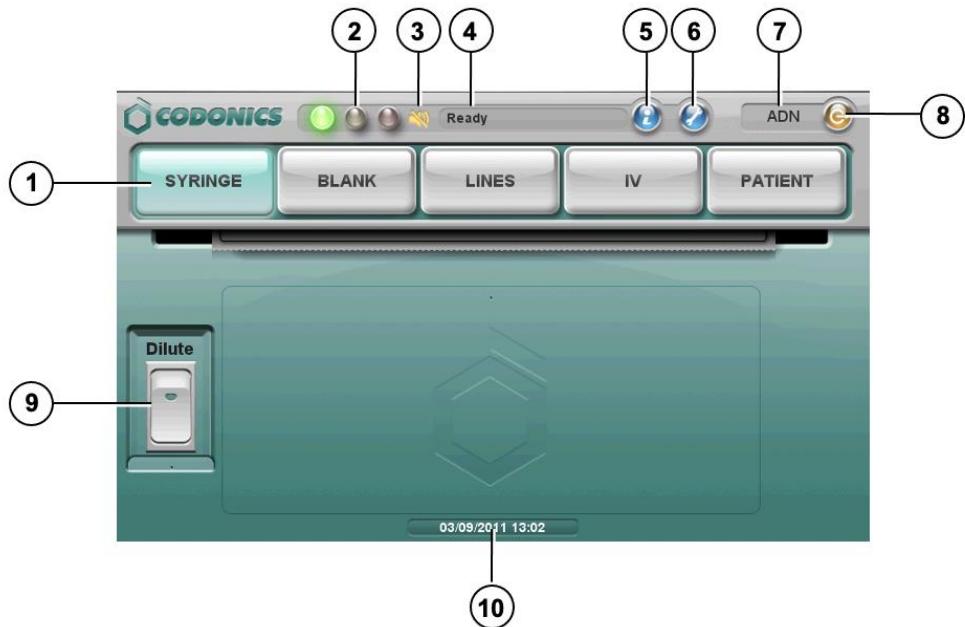
4. Inspect the test label.

5. If the test label printed correctly, press the Yes button. The system is ready for use.

If the test label did not print correctly, press the No button. Follow the on-screen instructions.

Touch Screen User Interface
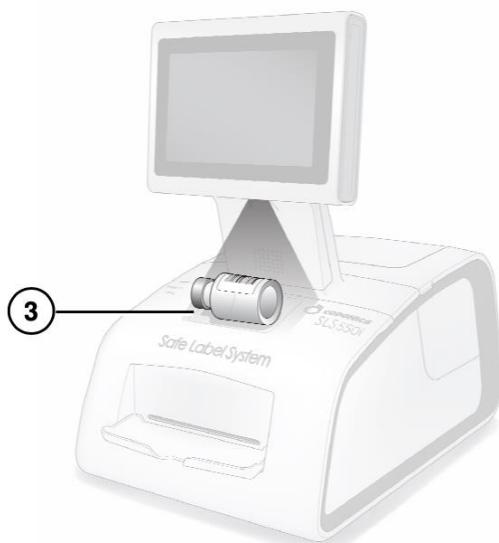
1. Label type buttons
2. LED status indicators
3. Volume Muted icon
4. System status message
5. System information button
6. Utilities button
7. User initials
8. Logout button
9. Dilute switch
10. Current date and time

Printing a Syringe Label — Basic Use
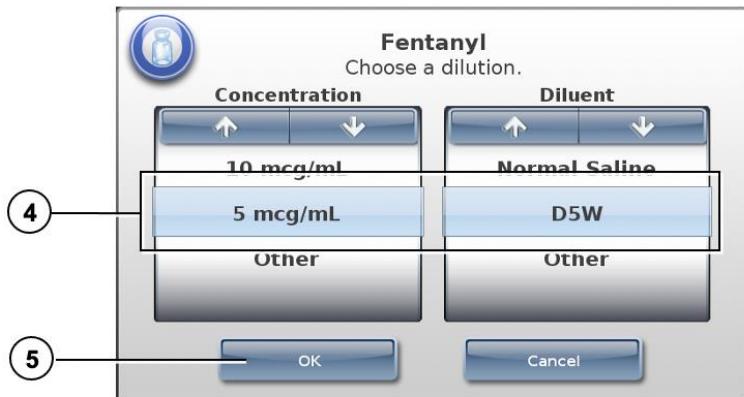
CAUTION: The formulary used on the SLS should be one that was created by the system administrator and approved for use.

1. Press the Syringe label button.

2. To include dilution information, press the Dilute switch to turn it on.

3. Scan the drug container barcode.

4. If the Choose a Dilution prompt displays, select a concentration and diluent.

WARNING: SLS users are responsible for calculating and selecting the correct concentration and diluent.

5. Press the OK button.

If the system is configured to require confirmation before printing the label, a confirmation prompt displays.

NOTE: The label confirmation prompt is displayed for safety reasons to ensure that the correct drug information is being printed.

6. Press the Print button to confirm and print the label.

7. Retrieve the printed label from the output bin.

   If the system is configured to require confirmation after printing the label, a confirmation prompt displays.

NOTE: The label confirmation prompt is displayed for safety reasons to ensure that the label has been printed correctly.

8. After reviewing the label and the screen display, perform one of the following steps:

- **Scan the barcode on the printed label. If the barcode is correct, the system indicates this and the procedure is complete.**
- **If you can see that the label did not print correctly, press the No button. Follow the on-screen instructions.**
- **If you are not able to scan the barcode, press the Unable to Scan button. Follow the on-screen instructions.**
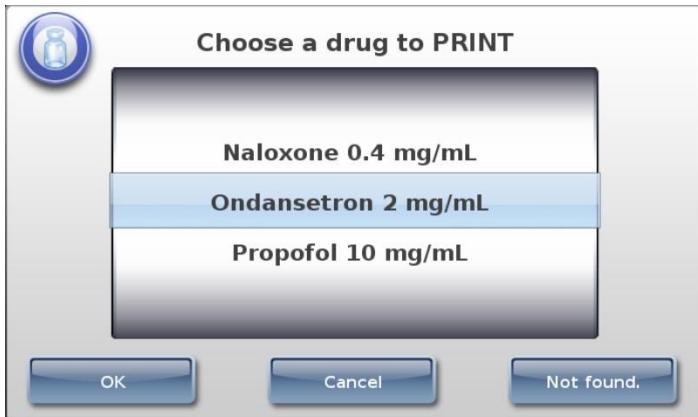
WARNING: To avoid mislabeling syringes, make sure that you immediately affix the correct label to the appropriate syringe.

WARNING: Incorrect syringe labels should be destroyed or disposed of to ensure that they are not used.

Printing a Syringe Label — Advanced Operations

Matching Container IDs
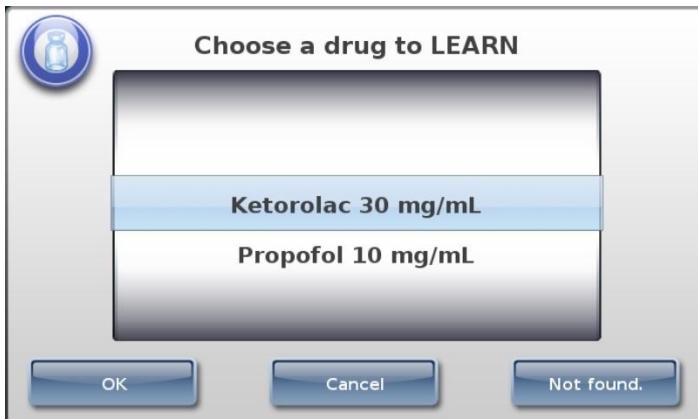
After scanning the drug container barcode, if there are multiple matching drugs with the same Container ID, they are displayed.

- If the correct drug is displayed, select it and then press the OK button.
- If the correct drug is not displayed, press the Not Found button. The procedure ends. Contact your SLS system administrator or Codonics Technical Support (+1.440.243.1198).
- To cancel the operation, press the Cancel button.

Mapped Master IDs (USA Only)

After scanning the drug container barcode, if the Container ID that was scanned can be mapped to more than one Master ID, those drugs are displayed.
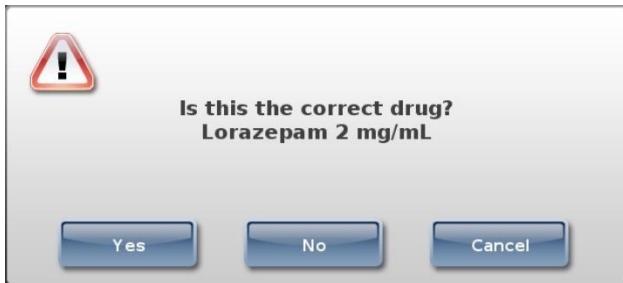
- If the correct drug is displayed, select it and then press the OK button.
- If the correct drug is not found, press the Not Found button. The procedure ends. Contact your SLS system administrator or Codonics Technical Support (+1.440.243.1198).
- To cancel the operation, press the Cancel button.

Drug Verification

If the drug has not been previously verified to ensure that the drug container information is the same as the drug information in the formulary, a verification prompt displays.
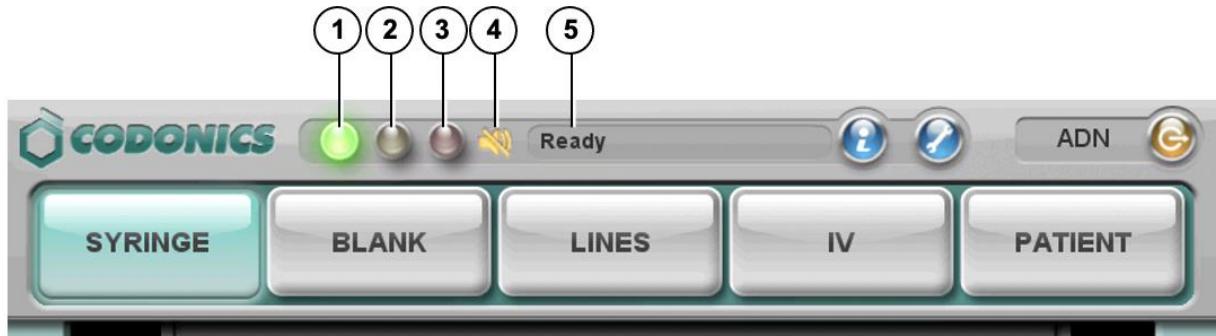
NOTE: The verification prompt only occurs once for each drug, when its container barcode is scanned for the first time.

- **If the drug information is correct, press the Yes button. You are prompted again to confirm that the drug information is correct.**
- **If the drug information is not correct, press the No button. You are prompted again to confirm that the drug information is incorrect.**
- **To cancel the operation, press the Cancel button.**

Monitoring Status

Dashboard Status Information

1. Normal: The system is ready to process or is processing a job (for example, printing).

2. Alert condition: The system can still process jobs but requires user attention (for example, low ink).

3. Critical or fault condition: The system might not be able to process jobs. The system requires immediate user attention (for example, out of label media).

4. Muted icon: Displays when the volume is muted.

5. Status messages.

System Information

1. Press the System Information icon.

2. Press the tabs to view additional information.

Maintenance

Displaying the Utilities Screen

1. Press the Utilities button.

   The Utilities screen displays. The buttons are described in the table below.

2. To close the Utilities screen, press the Utilities button again.

Clean Nozzles

   Cleans the ink cartridge nozzles

Adjust Label

   Allows you to adjust the label media path to ensure that label content is properly centered on the label.

Dark Print: Off / On

   Sets dark printing of black text to off or on.

Print My Badge

   Prints a user badge for the user who is currently logged in.

Calibrate Screen

   Calibrates the touch screen.

Network

   Allows you to configure the network settings.

Copy Logs

   Copies system logs to a USB flash drive that is inserted in the touch screen USB port 1.

Clear Errors

Clears system errors. This setting should only be used by system administrators after the errors are carefully reviewed.

Manage Features

Allows you to add SLS features.

Adjusts the touch screen brightness.

Adjusts the audio volume.

Clearing a Label Jam

1. Remove your gloves.

2. Open the front and rear covers.

3. Identify the location of the jammed media and use the appropriate procedure below.

Clearing a Label Jam in the Front Media Guide

1. Gently remove the label media from under the front guide by pulling up the label media near the ink carriage.

CAUTION: Avoid peeling up a label in the media path. You might have to pull the media forward through the cutter to avoid peeling a label. If a label is peeled up in the media path, do not press the adhesive side of the label against the sheet metal guides.
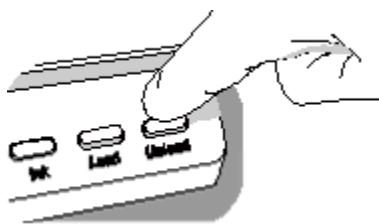
2. Use scissors to cut the liner between two labels by the ink carriage to allow you to remove the jammed label media.

If required, press the Load button to advance the label media.

NOTE: Scissors are recommended for cutting the liner so that the label media will have a straight edge. The straight edge will make loading the label media easier.

3. Gently remove the jammed portion of the label media.

4. Review the strip of labels. Make sure that you can account for all of the labels and that no labels are stuck in the front media guide. Discard the damaged label media.

5. If portions of the label media are still jammed in the media path, power off the system (refer to "Shutdown and Power Off"). Use non-metallic tweezers and carefully remove any additional label media from the media path.

6. Press the Unload button to reverse any portion of the label media that is still in the media path.

7. Inspect the label media. Use scissors to cut off any damaged labels.

8. Close the front cover, load the label media, and close the rear cover.

Clearing a Label Jam in the Rear Media Guide

1. Identify the location of the jammed media under the rear media guide.

   The rear media path can be exposed by using the thumb screws to remove the rear media guide cover.

2. Use scissors to cut the liner between two labels by the ink carriage. This will reduce the number of labels being pulled back through the media path.

3. Gently remove the cut portion of the label media from the front media guide and discard it.

4. Use scissors to cut the liner between the jammed portion of the label media and the label media roll.
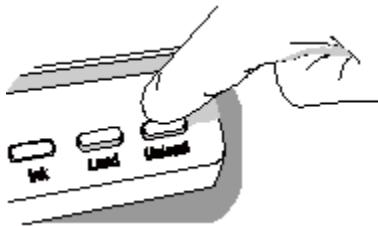
NOTE: Scissors are recommended for cutting the liner so that the label media will have a straight edge. The straight edge will make loading the label media easier.

5. Gently remove the jammed portion of the label media.

CAUTION: Avoid peeling up a label in the media path. If a label is peeled up in the media path, do not press the adhesive side of the label against the sheet metal guides.

6. Review the strip of labels. Make sure that you can account for all of the labels and that no labels are stuck in the rear media guide. Discard the damaged label media.

7. If portions of the label media are still jammed in the media path, power off the system (refer to "Shutdown and Power Off"). Use non-metallic tweezers and carefully remove any additional label media from the media path.

8. Press the Unload button to reverse any portion of the label media that is still in the media path.

9. Inspect the label media. Use scissors to cut off any damaged labels.

10. Close the front cover, load the label media, and close the rear cover.
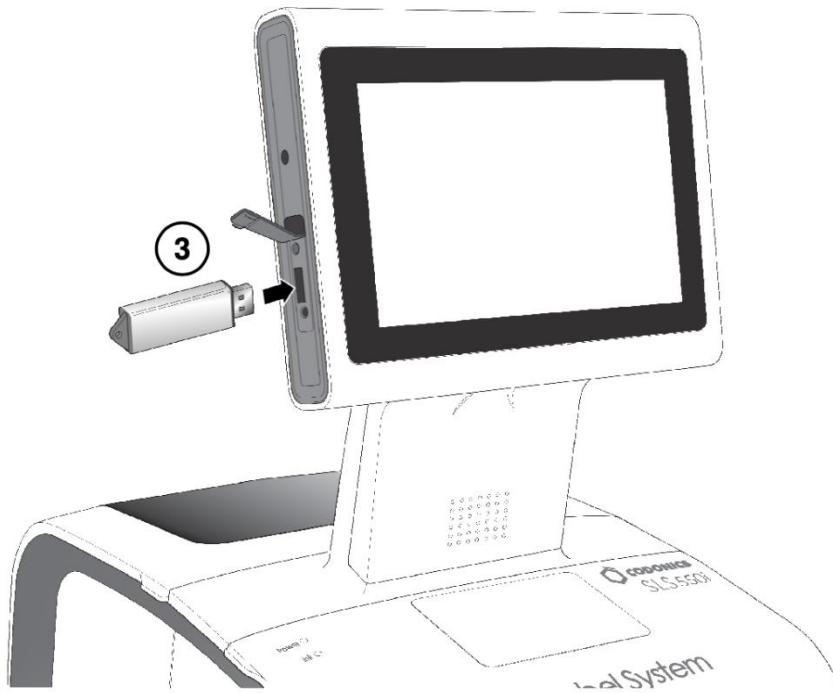
Installing Update Packages

Use this procedure to manually install formulary update packages and configuration update packages.

NOTE: Formulary and configuration update packages can also be installed remotely using the Administration Tool. For more information, refer to the SLS Administration Tool User's Manual v1.3.0.

CAUTION: Installing system software should only be performed as directed by Codonics Technical Support. Do not attempt to install system software without the assistance of Codonics Technical Support.

1. Log in.

2. Make sure that the SLS is not processing any print jobs or utilities.

3. Insert the USB flash drive on which the update package or software is installed.

You are prompted to confirm the installation.

4. Press the Yes button to continue.

5. When the installation files have been copied, remove the USB flash drive.

When the installation is complete, the system restarts automatically.

CAUTION: The SLS customer is responsible for ensuring that the correct formulary and configuration packages are being installed on the SLS.

CAUTION: Practice standard information technology (IT) precautions to protect data associated with the formulary (for example, securing the content of the USB flash drive on which the formulary update package is stored).
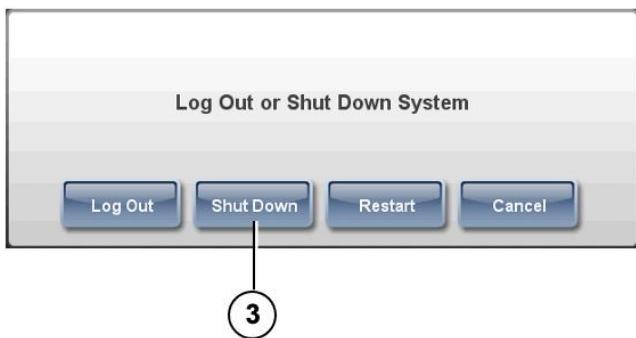
CAUTION: The SLS customer is responsible for the accuracy of the data in the formulary, including drug data that has been copied from third-party drug databases.

Shutdown and Power Off
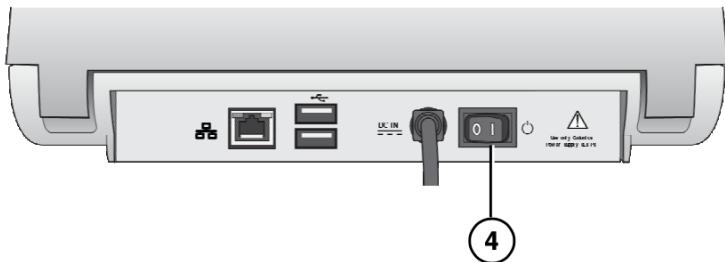
1. Make sure all print jobs have completed.

2. Press the Log Out button.

3. Press the Shut Down button.

4. When shutdown is complete, turn off the Power switch.

Troubleshooting

Problem: Startup fails.
- **Check the external power supply and cables.**
- **Check the power switch on the rear panel.**
- **Verify that the SmartDrive is connected.**

Problem: System will not power on.
- **Replace the external power supply.**

Problem: Login fails.
- **Verify the user name.**
- **Verify the PIN.**
- **Verify that the user badge is correct and that its barcode quality is satisfactory.**

Problem: The touch screen does not respond properly when touched.
- **Run the Calibrate Screen utility.**

Problem: The formulary fails to load or is invalid.
- **A new formulary update package might have to be created and loaded. See your SLS system administrator.**

Problem: A drug container failed verification.
- **The drug might have to be added to or corrected in the formulary.**
- **Make sure that the barcode on the drug is of good quality.**
- **CAUTION: This is a serios issue. Notify your SLS system administrator.**

Problem: A test label or syringe label did not print correctly.
- **Discard the label and try again.**
- **If the label print quality is bad: Run the Clean Nozzles utility, Replace the ink cartridge, and Replace the label media.**
- **If the print is not aligned properly on the label, run the Adjust Label utility.**
- **If the wrong drug information is printed on the label, the drug might have to be corrected in the formulary. See your SLS system administrator.**
- **CAUTION: This is a serious issue. Notify your SLS system administrator.**

Problem: The barcode scanner is not scanning.
- **Make sure the barcode is correctly positioned. The red cross-hair should line up with the barcode and the container or syringe should be as close to the front cover as possible.**
- **Shutdown the system from the touch screen and then cycle power to the system.**
- **Make sure the quality of the barcode is good.**
- **Clean the scanner's glass window.**
- **The barcode symbology might not be supported. Contact Codonics Technical Support (+1 440.243.1198)**

Problem: The label media is jammed.
- **Clear the label jam. Refer to "Clearing a Label Jam".**

Problem: The SLS will not connect to the network.
- **Verify that the Ethernet cable or Wi-Fi adapter is connected.**
- **Verify that the SLS network settings are configured properly.**

NOTE: For additional troubleshooting issues, refer to the Safe Label System User's Manual.

Safe Label System®
Drug Labeling Solution

GA - Gaeilge

Doiciméadú Fógra
Seo doiciméad is chuid de an AE MDR riachtanais. Tá an Codonics Sábháilte Lipéad Córas® Táirge is a Feistí leighis Aicme I atá beartaithe le húsáid ag Gairmithe Cúraim Sláinte. Cuirtear pacáistiú agus lipéadú táirgí, lena n-áirítear Comhéadan Úsáideora Grafach (GUI) le haghaidh oibríochta ar fáil i mBéarla agus buaileann siad le MDR, Iarscríbhinn I, Caibidil III, 23.4, agus oiliúint agus eolas an úsáideora ionchasach á gcur san áireamh.

Gréasáin faisnéis, Eochair Sonraíochtaí, Beartaithe Úsáid, Úsáideoir Lámhleabhar Aguisíní, Tapa Tosaigh Treoir agus Socrú IFU (Treoracha le haghaidh úsáid) atá ar fáil in bunúsach aistriúchán le haghaidh Ball Luaigh Teangacha. Bunscoile IFU atá ar fáil in Béarla.

Codonics Táirgí atá Rang I. táirgí beartaithe le haghaidh úsáid le Cúram sláinte Gairmithe.
Táirgí pacáistiú agus lipéadú, san áireamh Grafach Úsáideoir Comhéadan (GUI) le haghaidh oibriú atá
Ar fáil in Béarla agus le chéile MDR, Iarscríbhinn Mise, Caibidil III, 23.4, ag glacadh cuntas an oiliúint agus an eolas de an acmhainneacht úsáideoir.

* Gréasáin faisnéis, Eochair Sonraíochtaí, Beartaithe Úsáid, Úsáideoir lámhleabhar Aguisín, Tapa Tosaigh Treoir & Socrú IFU atá ar fáil in simplí aistriúchán Ball Luaigh Teangacha; bunscoile IFU atá ar fáil in Béarla

Forbhreathnú:
Codonics Sábháilte Lipéad Córas Is é Stáisiún Pointe Cúraim SLS 550i (PCS) caighdeán an chúraim sna hospidéil is mó le rá ar domhan. Feiste leighis FDA Aicme II a bhuaigh duaiseanna, feabhsaíonn an córas sábháilteacht agus cruinneas bainistíochta cógais agus comhlíonta lipéadaithe áit ar bith a ullmhaítear cógais. San NÓ, comhtháthaíonn SLS le cairteacha cógais ainéistéise chun an druga atá idir lámha a aithint go leictreonach. Soláthraíonn deimhniú amhairc agus inchloiste bunaithe ar an NDC ar an vial / ampoule seiceáil sábháilteachta fíor-ama ar chlinceoirí a fheidhmíonn mar an dara sraith de shúile, ag cabhrú le fáil réidh leis na hearráidí cógais is forleithne. Ar éileamh, táirgeann SLS lipéad atá réidh le comhlíonadh TJC a chuimsíonn barrachód a ghlacann an NDC ón vial parenteral lena chomhtháthú ag riarachán le Epic agus Cerner. Nuair a úsáidtear é i gcomhar leCodonics SLS-WAVE, seo phróiseas go leictreonach doiciméid an othar taifead 'Saor ó lámha' chun feabhsú muirear ghabháil, billeáil cruinneas agus 340B comhlíonadh, ag cruthú caighdeánú agus
ag cumasú BCMA in an NÓ.

Safe Label System:
Comhtháthaíonn le ann cheana sreafaí oibre, ag cur TJC comhlíonadh agus cógaisíochta maoirseacht ag gach suíomh áit ar éileamh cógais atá ullmhaithe, den sórt sin mar an NÓ, ICU, PACU, othar urláir agus cógaisíochta

Soláthraíonn cliniceoirí le leictreonach cógais sábháilteacht seiceálacha cé ag méadú táirgiúlacht

Ceadaíonn ceadaithe ag an ospidéal drugaí, diluents, comhchruinnithe, agus Iomlán dáileog / iomlán toirt ullmhóidí chun bheith comhtháite le ar fud an domhain aitheanta is fearr cleachtais agus idirnáisiúnta caighdeáin in a form form form bhainistithe le cógaisíochta agus ar fáil ag an méara de éinne
ag ullmhú cógais

Gabhálacha an cruinn NDC de an parenteral vial agus iompraíonn é chun an ullmhaithe lipéad chun sholáthar 100% cruinn doiciméadú le haghaidh muirear ghabháil agus 340B cuntasacht

An féidir bheith bhainistithe go cianda san áireamh bogearraí nuashonruithe agus soláthraíonn stádas aiseolas chun sonraithe úsáideoirí via an Riarachán Uirlis agus Ríomhphost Fógraí (roghnach)

Cathain úsáidtear in i gcomhar le SLS-WAVE, an iomlán réiteach cumasaíonn 'Saor ó lámha' comhtháthú le Epic agus Cerner chun uasmhéadú ioncam, feabhsú othar Torthaí agus cliniceoir sreabhadh oibre le ag laghdú lámhleabhar cad a tharlaíonn

Feabhas Othar Sábháilteacht
Earráidí in ullmhúchán agus roghnú mar bhuel mar doiciméadú míchruinneas tarlú le haghaidh a uimhir de cúiseanna. Il seachráin, bocht lámhscríbhneoireacht agus cuma-aroon / fuaim-aroon drugaí go mór cur chun an acmhainneacht le haghaidh cógais earráidí. SLS Cuimsíonn an glaoigh chun feabhsú othar agus cógais sábháilteacht le:

Laghduithe an is mó coitianta druga earráidí déanta le linn an roghnú, ullmhúchán agus riarachán de injectable agus infhéitheach cógais in an NÓ, san áireamh vial / ampoule babhtálacha, mí-lipéadú / doléite lipéadú, steallaire babhtálacha agus in éag steallairí

Buaileann an ISMP agus APSF moltaí go gach ainéistéisiú suíomh chóir agat a meicníocht chun aithint cógais roimh líníocht iad suas nó ag riaradh iad (barrachód léitheoir)

Go huathoibríoch bronntanais cliniceoirí le amhairc agus inchloiste dearbhuithe de an ceann druga agus tiúchan, ionchorprú leictreonach sábháilteacht seiceálacha chun bain an eilimint de duine earráid

Sonraíochtaí
Córas: Comhtháite teagmháil scáileán ríomhaire, 2D barrachód scanóir, dath dúch scaird printéir, fuaime aiseolas agus líonra ábalta
(Ethernet caighdeánach, Wifi roghnach)

Cumhacht: Uilíoch Ionchur: 100-240 VAC, 50/60 Hz

Toisí: 10.43 " (26.5 cm) W, 15.67 " (39.8 cm) D, 16.50 " (41.9 cm) H.

Meáchan: 14.5 lbs. (6.6kg)
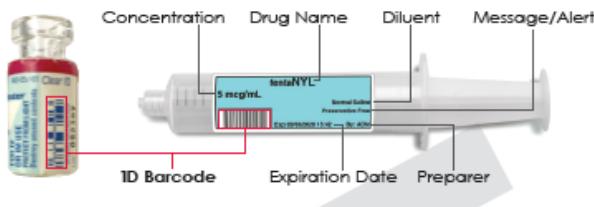
Rialála: Iomlán leighis gléas comhlíonadh san áireamh Rang 2 FDA agus Rang I. MDR 2017/745 / AE (CE), GMP / QSR, ISO 13485:
2016 / NS-EN ISO 13485: 2016, Leictreach Sábháilteacht IEC 60601-1 Ed. 3.1 agus EMC / EMI: FCC Rang A. agus IEC 60601-1-2: Ed. 4 le haghaidh
Gairmiúil Cúram sláinte Áiseanna

Inléite Barrachóid: Cód 128, GS1-128, Sonraí Maitrís, UPC-A, UPC-E, EAN-13, EAN-8,
GS1 Barra Sonraí Teaghlach, Idirdhuilleogach 2 de 5, ITF-14, Cód 39, Cód 32,
ISBT 128, QR Cód

Scríofa Barrachóid: Sonraí Maitrís, EAN-13 / UPC-A
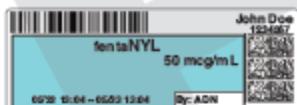
Exact NDC matching vial to syringe

Captures NDC of parenteral vial, providing 100% accurate documentation
for charge capture and the exact NDC for 340B accountability

Prints full-color labels that comply with The Joint Commission NPSG.03.04.01*, and meet the intent of ISO 26825, ASTM 4774 Standards & ASA Guidelines
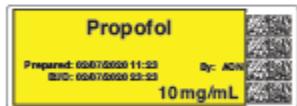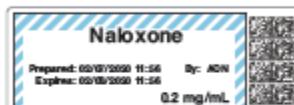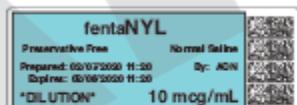
*Prints diluent and dilution if required

Shown with patient information
when integrated with EMR/ADC

Shown with auxiliary barcode

60 mm x 22 mm standard size labels

Barcode for EHR/AIMS integration

SLS Úsáideoir Lámhleabhar

Réamhrá

Coinbhinsiúin Úsáidtear in Seo Lámhleabhar

Bulleted Liostaí
Urchair atá úsáidtear chun taispeáint a liosta de neamhphróiseála míreanna. Le haghaidh sampla:
Tá an leanas imeachtaí truicir a sioncrónú de SLS sonraí chun go stóráilte ar an SmartDrive:
> Go huathoibríoch gach 15 nóiméad
> Foirmle nuashonruithe

Uimhrithe Céimeanna

Tá an deilbhín léiríonn an ag tosú de a nós imeachta. Tá an céimeanna in a nós imeachta atá
uimhrithe. Le haghaidh sampla:
> Oscail an tosaigh clúdach.
> Brúigh an Dúch cnaipe.

Nótaí

Nótaí bhfuil breise faisnéis gaolmhar chun a ábhar nó nós imeachta. Le haghaidh sampla:

NÓTA: Tá an córas uacht chinntiú go a scrúdú cló is léirithe ag ar a laghad uair amháin a lá.

Rabhadh agus Rabhaidh

Rabhadh airdeall tú chun caingne nó staideanna go fhéadfadh cúis dochar chun trealamh nó sonraí.

Le haghaidh sampla:
Rabhaidh airdeall tú chun caingne nó staideanna go fhéadfadh toradh in pearsanta gortú. Le haghaidh
sampla:

Tábhachtach Eolas agus Ainmneacha comhaid
Trom cineál is úsáidtear le haghaidh béim, úsáideoir comhéadan réad ainmneacha, agus cosáin nó ainmneacha comhaid.

Le haghaidh sampla:

Tá an Barrachód Scanóir scananna druga coimeádán barrachód le haghaidh féiniúlacht agus fíorú.

Úsáid an rialuithe chun ceart an dáta agus am, ansin brúigh an Ceart go leor cnaipe.

Cuspóir agus Raon feidhme

Déan tagairt chun seo Úsáideoir Lámhleabhar le haghaidh nósanna imeachta ar conas chun taibhiú Safe Label System (SLS)
úsáideoir oibríochtaí, san áireamh:
- Socrú suas an crua-earraí agus bogearraí
- Ag seinm bunúsach feidhmeanna den sórt sin mar lománaíocht in agus amach, agus ag cumrú roinnt
- S.ystem socruithe (le haghaidh sampla, fuaim toirt, gile)
- Priontáil agus ag deimhniú steallaire lipéid
- Seiceáil druga steallairí le scanadh a barrachód
- A chothabháil an córas
- Monatóireacht córas stádas agus fabhtcheartaithe coitianta fadhbanna

Táirge Eolas

Le haghaidh teicniúil cúnamh le SLS Pointe de Cúram Stáisiún, glaoigh Codonics Teicniúil Tacaíocht ag an leanas uimhir:
Fón: +1 440.243.1198
Dola Saor: 800.444.1198 (SAM amháin)
Teicniúil Tacaíocht is ar fáil 24/7/365. Teicniúil Tacaíocht is freisin ar fáil ar líne via ríomhphost agus an Codonics gréasáin suíomh:
Ríomhphost: support@codonics.com
Gréasáin Láithreáin: www.codonics.com
Ginearálta táirge faisnéis féidir freisin bheith iarrtar le ag seoladh ríomhphost chun:
Ríomhphost: info@codonics.com
Le do thoil cuir san áireamh do poist postála seoladh agus teileafón uimhir in an ríomhphost teachtaireacht.
Bunúsach táirge faisnéis is ar ais via ríomhphost mura rud é a mhalairt iarrtar.
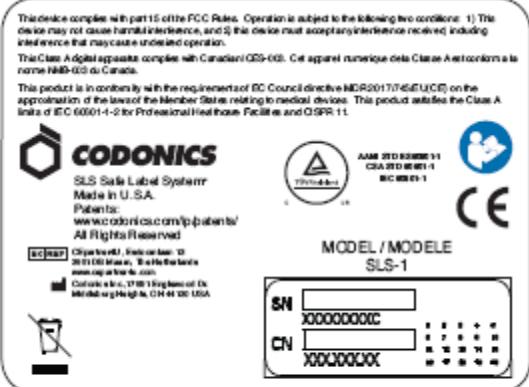
## Rabhaidh agus Teorainneacha de Úsáid

Suíomh de Sábháilteacht agus Comhlíonadh Lipéid

Codonics is in comhlíonadh le éagsúla rialacháin.

Tá an SLS PCS sábháilteacht agus comhlíonadh lipéad, a thaispeántar thíos, is lonnaithe ar an bun de an gléas (taispeántar ar an leanas leathanach).

SLS PCS safety and compliance label

Safety and compliance
label location

SLS PCS safety and compliance label, on bottom of device

Voltas Rabhadh

Tá an exclamation pointe laistigh a triantán is beartaithe chun airdeall an úsáideoir chun an láithreacht de
tábhachtach ag feidhmiú agus cothabháil (seirbhísiú) treoracha in an litríocht
in éineacht le seo gléas.

TAGARTHA SEIRBHÍS CHUN CÁILÍOCHTA SEIRBHÍS DAOINE. CUIMHNIGH DE LABELS,
COVERS, NÓ ENCASEMENT FASTENERS BEALTAINE VOID AN BHARÁNTAS.
SEO FEARAS NÍ MÓR BE LEICTREACH FOSTAÍOCHTA.
CHUN PREVENT DÓITEÁIN NÓ SHOC GUAISE, DO NÍ MÍNIÚ SEO DEVICE CHUN RAIN NÓ
MOISTURE.

TREALAMH IS NÍ CHUN BE ÚSÁIDTE MAR A. COMPONENT DE A. LIFE TACAÍOCHT CÓRAS.

Saol tacaíocht gairis nó córais atá gairis nó córais go tacaíocht nó chothú saol, agus a bhfuil a teip chun taibhiú féidir bheith le réasún ag súil leis chun toradh in a suntasach gortú nó bás chun a duine. A. criticiúil comhpháirt is ar bith comhpháirt de a saol tacaíocht gléas nó córas a bhfuil a teip chun taibhiú féidir bheith le réasún ag súil leis chun cúis an teip de an saol tacaíocht gléas nó córas, nó chun tionchar a sábháilteacht nó éifeachtúlacht.

Léasair Rabhadh

RABHADH Seo gléas astaíonn CDRH / IEC Rang 2 léasair agus IEC Rang 1M éadrom. Déan ní stare isteach bhíoma.

## Srathach Uimhir, Cumraíocht, Dáta Cód, agus Modhnú Cóid
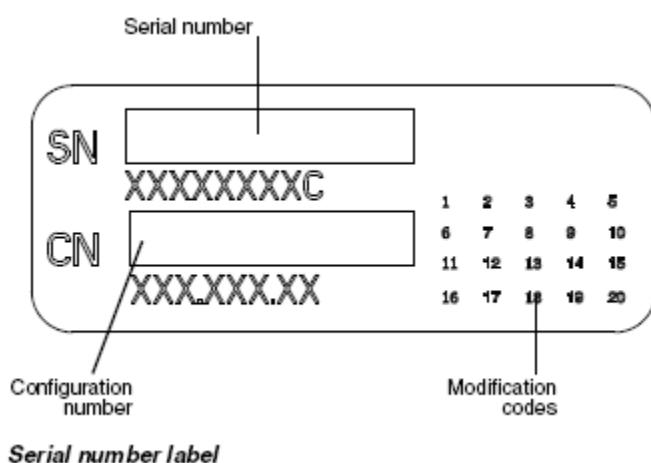
Tá an sraitheach uimhir lipéad is curtha isteach an sábháilteacht agus comhlíonadh lipéad.
Tá an sraitheach uimhir lipéad áirítear an leanas faisnéis:

Tá an sraitheach uimhir (SN), atá uathúil aithníonn an aonad.
Tá an cumraíocht uimhir (CN), atá sonraí an thógáil cumraíocht.
Tá an modhnuithe cóid, atá atá chun an ceart de an CN uimhir agus atá a sraith de 20 uimhreacha. Cathain ar bith de iad seo uimhreacha atá blocáilte amach, go identifies a modhnú go bhí déanta chun an aonad.

Serial number label

Acmhainn le haghaidh Raidió Minicíocht Cur isteach ar Gléas Oibríocht

An dá rud iniompartha agus soghluaiste RF cumarsáid trealamh féidir tionchar leighis leictreach

trealamh, san áireamh SLS PCS. SLS PCS is beartaithe le haghaidh úsáid in an leictreamaighnéadach
timpeallacht sonraithe in an treoir agus monaróir dearbhú alt.

Acmhainn le haghaidh Raidió agus Teilifís Cur isteach

SLS PCS gineann agus úsáidí raidió minicíocht fuinneamh, agus dá ní suiteáilte agus úsáidtear
i gceart, go is, in dian de réir le an monaróir treoracha, féadfaidh cúis
cur isteach chun raidió agus Teilifís fáiltiú. É has curtha cineál thástáil agus fuarthas chun
chomhlíonadh le Rang A. astaíochtaí teorainneacha le haghaidh a ríomhaireacht gléas in de réir le an
sonraíochtaí in Fo-roinn J. de Cuid 15 de FCC Rialacha, atá atá deartha chun sholáthar
réasúnta cosaint i gcoinne den sórt sin cur isteach Cathain ag feidhmiú in a tráchtála
timpeallacht. SLS PCS is ní beartaithe le haghaidh úsáid in a cónaithe Rang A. timpeallacht.
SLS PCS Éilíonn a leighis cumhacht / talamh. Dá do SLS dhéanann cúis cur isteach chun raidió nó
Teilifís fáiltiú, tú atá spreagtha chun bain triail as chun ceart an cur isteach le ceann nó níos mó
de an leanas bearta:
      Reorient an ag fáil antenna
      Athlonnú SLS PCS le meas chun an glacadóir

Dá riachtanach, tú chóir téigh i gcomhairle Codonics Teicniúil Tacaíocht nó an taithí acu
raidió / teilifís teicneoir le haghaidh breise moltaí. Tú féadfaidh aimsigh an leanas leabhrán
ullmhaithe le an Chónaidhme Cumarsáid Coimisiún Cabhrach: *Conas chun Sainaithin agus Réitigh Raidió-Teilifís Cur isteach Fadhbanna*. Seo leabhrán is ar fáil ó an U.S. Rialtas Priontáil Oifig, Washington, D.C. 20402, Stoc Níl. 004-000-00345-4.

Seo táirge is in comhréireacht le an cosaint riachtanais de CE Comhairle treoir
MDR 2017/745 / EU (CE) maidir le comhfhogasú dhlíthe na mBallstát a bhaineann le gairis
leighis. Sásaíonn an táirge seo teorainneacha Aicme A de IEC 60601-1-2 maidir le Saoráidí
Cúraim Sláinte Gairmiúla agus CISPR 11. Tá dearbhú comhréireachta le ceanglais na Treorach
sínithe ag aCodonics leas uachtarán.

Treoir Maidir le Leictreamaighnéadach Astaíochtaí agus Díolúine

Oiriúnach timpeallachtaí atá mar seo a leanas:
      SLS550i is beartaithe le haghaidh úsáid in ospidéal agus cliniciúil timpeallachtaí san áireamh ag feidhmiú
      seomraí agus an perioperative timpeallacht.
      SLS550i has ní curtha luacháil le haghaidh úsáid in aice HF máinliachta trealamh. Dá úsáid in aice HF
      máinliachta trealamh is inmhianaithe, an úsáideoir is freagrach le haghaidh ag fíorú ceart oibriú

de an SLS550i. Dá SLS550i dhéanann ní taibhiú i gceart in seo timpeallacht, bogadh an SLS550i níos faide ó an foinse de an leictreamaighnéadach suaitheadh.

SLS550i has ní curtha luacháil le haghaidh úsáid in éigeandála leighis feithiclí nó in cónaithe

applications.

NÓTA: De bharr tréithe astaíochtaí minicíochta raidió an trealaimh seo tá sé oiriúnach le húsáid i gceantair thionsclaíocha agus in ospidéil (CISPR 11 aicme A). Má úsáidtear é i dtimpeallacht chónaithe (a mbíonn CISPR 11 aicme B de ghnáth ag teastáil ina leith) b'fhéidir nach dtabharfadh an trealamh seo cosaint leordhóthanach do sheirbhísí cumarsáide minicíochta raidió. B'fhéidir go mbeadh ar an úsáideoir bearta maolaithe a dhéanamh, mar shampla an trealamh a athlonnú nó a atreorú.

Mar a tacaíocht gléas, SLS550i dhéanann ní sholáthar riachtanach feidhmíocht.

RABHADH Úsáid de seo trealamh in aice chun nó cruachta le eile trealamh chóir bheith seachain mar é fhéadfadh toradh in míchuí oibriú. Dá den sórt sin úsáid is riachtanach, seo trealamh agus an eile trealamh chóir bheith breathnaíodh chun fhíorú go siad atá ag feidhmiú de ghnáth.

RABHADH Úsáid de gabhálais, trasducers agus cáblaí eile ná siúd sonraithe nó curtha ar fáil le an monaróir de seo trealamh fhéadfadh toradh in méaduithe leictreamaighnéadach astaíochtaí nó laghdaithe leictreamaighnéadach díolúine de seo trealamh agus toradh in míchuí oibriú.

RABHADH Inaistrithe RF cumarsáid trealamh (san áireamh forimeallach den sórt sin mar antenna cáblaí agus seachtrach antennas) chóir bheith úsáidtear níl níos gaire ná 30 cm (12 orlach) chun ar bith chuid de an SLS550i, a cáblaí, nó gabhálais. Seachas sin, díghrádú de an feidhmíocht de seo trealamh fhéadfadh toradh.

Leictreamaighnéadach Astaíochtaí Caighdeáin agus Scrúdú Leibhéal

Test/Standard	Compliance
RF Emissions CISPR 11	Group 1. Class A
RF Emissions FCC Part 15	Class A
Conducted Emissions CISPR 11	Group 1. Class A
Harmonic Distortion IEC 61000-3-2	Class A
Voltage Fluctuations and Flicker IEC 61000-3-3	Complies

Leictreamaighnéadach Díolúine Caighdeáin agus Scrúdú Leibhéil

Test/Standard	Compliance
Electrostatic Discharge IEC 61000-4-2	+-8 kV contact +-2 kV, +-4 kV, +-8 kV, +-15 kV air
Radiated RF Immunity IEC 61000-4-3	3 V/m 80 MHz – 2.7 GHz 80% AM at 1 kHz
Proximity fields from RF wireless equipment IEC 61000-4-3	Complies

Test/Standard	Compliance
Electrical Fast Transient/Burst IEC 61000-4-4	AC Port: ± 2 kV, 100 kHz repetition frequency SIP/SOP Ports: ± 1 kV, 100 kHz repetition frequency
Surge IEC 61000-4-5	Line-to-Line: ± 0.5 kV, ± 1.0 kV Line-to-Ground: ± 0.5 kV, ± 1.0 kV, ± 2.0 kV
Conducted Immunity IEC 61000-4-6	AC Port and SIP/SOPs: 3 V, 0.15 MHz – 80 MHz 6 V, in ISM bands between 0.15 MHz and 80 MHz 80% AM at 1 kHz
Magnetic Field Immunity IEC 61000-4-8	30 A/m, 50 Hz or 60 Hz
Voltage Dips IEC 61000-4-11	0% U_T, 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 0% U_T, 1 cycle AND 70% U_T, 25/30 cycles, Single phase: at 0°
Voltage Interruptions IEC 61000-4-11	0% U_T, 250/300 cycle

Sábháilteacht Réamhchúraimí

- **Riamh ceangal an feiste seachtrach cumhacht soláthar chun ar bith asraon nó cumhacht soláthar go has a voltas nó minicíocht difriúil ná go sonraithe (100 - 240 VAC, 50/60 Hz). Úsáid amháin an seachtrach cumhacht soláthar curtha ar fáil le an gléas (Codonics chuid N.umber SLS-PS).**
- **Cathain athsholáthair an gléas, i gcónaí cumhacht é síos (féach chun "Cumhachtach Off an Córas ") agus dícheangail an AC cumhacht corda roimh ré chun seirbhísiú é.**
- **Damáiste chun a cumhacht corda is a tine agus turraing guaise. Cathain unplugging a cumhacht corda, shealbhú é le an breiseán amháin agus bain an breiseán go cúramach.**
- **Dá a cumhacht corda nó seachtrach cumhacht soláthar riachtanais chun bheith athsholáthair, ionad é amháin with eile Codonics cumhacht corda nó Codonics seachtrach cumhacht soláthar. De rogha air sin, ionad é le a cumhacht corda nó seachtrach cumhacht soláthar monaraithe go sonrach le haghaidh do cumhacht cumraíocht.**
- **Dá an gléas is caitheamh tobac nó ag déanamh neamhghnách fuaimeanna, cumhacht as agus unplug an gléas láithreach.**
- **Déan ní cuir isteach eachtrach rudaí de ar bith cineálta isteach an feiste; ag déanamh mar sin féidir comhdhéanta a sábháilteacht guaise agus cúis fairsing damáiste.**
- **Déan ní áit ar bith leacht coimeádáin ar an gléas. Dá, le haghaidh roinnt chúis, leacht seeps isteach an gléas, cumhacht as an gléas agus unplug an cumhacht corda ó an foinse asraon. Dá úsáidtear sin ag glacadh ceartaitheach bearta, an gléas féadfaidh bheith damáiste.**
- **Déan ní nochtadh an gléas chun inadhainte gáis in tiúchan ard Go Leor chun cúis tine nó pléascadh.**

Suíomh Réamhchúraimí

- **Tá an ag feidhmiú comhthimpeallach teocht raon de SLS PCS is 15–30⁰C (59–86⁰F), le a gaol taise de 20% –80%.**
- **Dá SLS PCS is ar athraíodh a ionad go tapa ó an thar a bheith fuar suíomh chun a níos teo ceann, cachensation is dócha chun fhoirm. Déan ní úsáid SLS PCS dá comhdhlúthú has déanta.**
- **Fan go dtí an comhdhlúthú has galaithe. Tú féidir luas suas an galú am le ag bogadh SLS PCS chun a triomadóir suíomh.**
- **Déan ní áit SLS PCS in a suíomh le ard taise nó ard deannach. Aerbheirthe salachar cáithníní féidir cúis cló cáilíocht fadhbanna. Seachain ag cur SLS PCS in suíomhanna áit aeráil duchtanna, oscailte doirse, nó go minic daoine ag dul thar bráid d'fhéadfadh nochtadh SLS PCS agus lipéid chun ard leibhéil de smionagar.**
- **Déan ní Ionnú SLS PCS in spriongaí te ceantair áit hidrigin sulfíde agus aigéadach iain atá dócha chun bheith ginte.**
- **Déan ní Ionnú SLS PCS áit ann atá olach múch agus gaile.**
- **Déan ní Ionnú SLS PCS in dhíreach solas na gréine.**
- **Déan ní Ionnú SLS PCS in aice foinsí de ard RF fuinneamh.**
- **Déan ní Ionnú SLS PCS áit é d'fhéadfadh bheith ábhar chun jarring nó creathanna, den sórt sin mar a tábla nó deasc in a ard-thrácht limistéar. Jarring agus tonnchrith féidir tionchar an cló cáilíocht de lipéid.**

- **Dá ag baint úsáide as a VESA mount chun mount an gléas ar a balla, seasamh, nó ainéistéise soláthar cart, féach chun an VESA Gléasta Comhéadan Caighdeán (MIS), ar fáil ag www.vesa.org, le haghaidh ceart suíomh agus Suiteáil faisnéis.**

Glanadh Réamhchúraimí

Chun seachain damáiste chun an gléas, breathnaigh an leanas ginearálta réamhchúraimí le haghaidh glanadh
an gléas:

- **A.pply an níos glaine chun a glan, saor ó lint éadach first agus ansin glan an gléas.**
- **Leachtach curtha i bhfeidhm go díreach chun an gléas fhéadfadh b'fhéidir sceitheadh istigh an gléas agus cúis damáiste. Úsáid breise rabhadh Cathain glanadh timpeall an gaothairí ar an ar ais de an scáileán tadhaill agus cainteoir.**
- **Ceadaigh an gléas chun go hiomlán tirim roimh ag feidhmiú é arís.**
- **Go leor plaisteach comhpháirteanna atá úsáidtear in SLS PCS tógála. Cóta flecking agus dífhoirmiú is dócha chun tarlú dá an gléas is wiped le ceimiceach dusters, beinséin, caolóirí, feithidicídí, nó eile tuaslagóirí. Rubair agus PVC ábhair ar chlé in déan teagmháil le SLS PCS le haghaidh sínte tréimhsí de am uacht cúis damáiste. Riamh úsáid peitriliam-bhunaithe réitigh nó scríobach glantóirí.**
- **Riamh úsáid scríobach ábhar.**
- **I gcónaí caol glanadh gníomhairí de réir chun an monaróir treoracha, nó úsáid an is ísle féidir tiúchan.**
- **Déan ní cead a thabhairt an glanadh gníomhaire chun fanacht ar an gléas dromchlaí. Wipe é as láithreach le a saor ó lint éadach moistened le uisce.**

Le haghaidh glanadh treoracha, féach chun "Glanadh an Imfhálú ".

É is molta go tú díghalraigh an táirge amháin Cathain riachtanach mar cinnte le do ospidéal beartas, chun seachain fadtéarmach damáiste chun an táirge.

Tá an gléas Ní mór bheith glanta ar dtús, mar cur síos air in "Glanadh an Imfhálú ", roimh ag baint úsáide as a ginearálta díghalrú gníomhaire.

Glanadh an Imfhálú

RABHADH I gcónaí cumhacht as an córas roimh glanadh. An leictreach turraing fhéadfadh tarlú dá an córas is faoi thiomáint ar agus leacht is doirte isteach é.

Chun glan an córas imfhálú, úsáid a glan, saor ó lint éadach moistened le ach an oiread te uisce agus éadrom gallúnach, a caolaithe neamh-loiscneach glantach, nó ceann de an leanas ceadaithe glanadh gníomhairí:

Amóinia: Caolú de Amóinia <3%
Alcól: Eatánól 70%, Isopropanol 70%.

- **Os a chionn am, dúch ró-spraeáil d'fhéadfadh bailigh ag an bonn de an gléas. Tá an gléas úsáidí a folús córas chun bailigh is mó de seo dúch ar a sraith de saturation pads.**
- **Faoi dheireadh, iad seo pads d'fhéadfadh riachtanas chun bheith curtha ina ionad. Déan teagmháil Codonics Teicniúil Tacaíocht chun chinneadh dá ceap athsholáthair is riachtanach.**
- **Dá dúch has fuair isteach an córas imfhálú, é féidir bheith glanta le an amóinia bunaithe fuinneog níos glaine agus a saor ó lint éadach.**
- **Dá scanadh barrachód is neamhfhreagrach nó an gléas is ag deacracht scanadh, glan an scanóir gloine fuinneog.**

Díghalrú an Imfhálú

Molta díghalrú gníomhairí áirítear:

    1 chuid líon tí bleach agus 5 páirteanna uisce réiteach
    A-456-N
    Virex II 256
    PDI Éadach Sani®

RABHADH Codonics Déanann níl éilimh maidir le an éifeachtúlacht de an liostaithe ceimiceáin nó modhanna mar a acmhainn de ag rialú ionfhabhtú. Téigh i gcomhairle do ospidéal ionfhabhtú smacht oifigeach nó eipidéimeolaí.

Díghalrú Réamhchúraimí

Chun seachain damáiste chun an gléas, breathnaigh an leanas ginearálta réamhchúraimí le haghaidh díghalrú an gléas:

- **Déan ní úsáid Povodine, Sagrotan, nó Mucocit díghalrú gníomhairí nó láidir tuaslagóirí (le haghaidh sampla, aicéatón).**
- **Déan ní úsáid ar bith díghalrú gníomhairí go corrode nó damáiste polacarbonáit.**

Meáin Réamhchúraimí

- **Gan iarraidh lipéid chóir bheith scriosta nó diúscartha de chun chinntiú go míchuí labels atá ní úsáidtear.**
- **Amháin úsáid Codonics dúch cartúis agus lipéid chun chinntiú ceart oibriú de an device agus ceart lipéadú de steallairí. Ag baint úsáide as neamhcheadaithe dúch cartúis agus labels fhéadfadh luaidhe chun do-ghlactha torthaí, san áireamh bocht cló cáilíocht agus bocht lipéad greamaitheacht chun steallairí.**
- **Damáiste ó neamhcheadaithe dúch nó lipéid uacht neamhní an bharántas.**
- **Riamh athlíonadh dúch cartúis, mar seo féidir toradh in mícheart dath úsáid.**

Diúscairt Riachtanais

Diúscairt de seo táirge agus earraí inchaite déanfaidh bheith in de réir le ar fad infheidhmithe dlíthe agus rialacháin in éifeacht ag an dúiche ag an am de diúscairt. Le haghaidh breise faisnéis, féach Guaiseach Ábhar Eolas.

Eorpach Diúscairt Riachtanais

Codonics samhlaithe agus leictreonach cúlpháirtí gairis atá ní chun bheith a scriosadh nó athchúrsáilte;
in áit siad atá chun bheith ar ais chun an monaróir. Déan teagmháil Codonics go díreach nó le an
nasc curtha ar fáil le haghaidh an is déanaí faisnéis maidir le:
> Aitheantas de an tír-shonrach Allmhaireoir / Dáileacháin / Léiritheoir
> Táirge filleadh agus cóireáil de ár leictreonach táirgí

Monaróir: Codonics Inc.
17991 Englewood Tiomáint
Middleburg Airde, OH 44130 SAM
Fón: +1 440.243.1198
Facs: +1 440.243.1334
R-phost: WEEE@codonics.com
www.codonics.com

Codonics leictreonach táirgí agus gabhálais ar a bhfuil an leanas siombail atá ábhar chun Eorpach Treoir ar Dramhaíl Leictreach agus Leictreonach Trealamh (WEEE) 2002/96 / CE, leasaithe le Treoir 2003/108 / CE. Tá an EN 50419 siombail léiríonn ar leithligh bailiúchán agus filleadh riachtanach.

EN 50419 symbol

Tásca le haghaidh Úsáid

Gléas Cur síos

Drugaí ullmhúchán agus riarachán in an perioperative timpeallacht atá lárnach
gnéithe de anesthesiologist's othar cúram freagrachtaí. Tá an Codonics Sábháilte Lipéad Córas
Is córas simplí, comhtháite é (SLS) a úsáideann scanóir barrachód chun aitheantas drugaí ó FDA
NDC (Cód Náisiúnta Drugaí) agus Barrachód Aitheantais Drugaí eile a léamh agus a dhearbhú ó

choimeádáin drugaí agus lipéid a phriontáil go huathoibríoch le haghaidh drugaí ullmhaithe agus earraí eile atá in úsáid ar othair le linn nósanna imeachta máinliachta. Comhlíonann na lipéid na rialacháin náisiúnta atá dírithe ar shábháilteacht cógais a fheabhsú sa timpeallacht perioperative.

Tá an bogearraí comhpháirteanna sholáthar feidhmeanna le haghaidh scanadh coimeádán barrachód; ag cruthú,
ag athbhreithniú, agus ag ceadú an bainistithe san ospidéal ardú céime de a form form form bunachar sonraí;
cineál drugaí a thaispeáint ar an scáileán agus a dhearbhú go hinchloiste; agus lipéid ábhar-chomhlíontacha ábhar agus dathanna ISO, ASTM, agus TJC (An Comh-Choimisiún) a phriontáil le barrachód 1D agus / nó 2D. Léann an córas barrachód coimeádán drugaí agus táirgeann sé lipéid dathanna atá frithsheasmhach in uisce. Is féidir an córas a chomhtháthú chun feidhmiú le sreabhadh oibre an Chórais Bainistíochta Faisnéise Ainéistéise (AIMS) chun doiciméadúchán fíor-ama ar riarachán drugaí a sholáthar nuair a léitear an barrachód steallaire 1D nó 2D. Is féidir an córas a rochtain agus a bhainistiú trí líonra (Ethernet nó Wi-Fi).

Gléas Saintréithe

Tá an úsáid de druga rang sonrach patrún agus dath in aghaidh an ASTM D4774 agus ISO 28625 Sonraíochtaí le haghaidh Úsáideoir Feidhmeach Drugaí Lipéid in Ainéistéiseolaíocht is inchumraithe le suíomh agus tacar sonraí. *Foirmlí* (tacar sonraí) atá uathúil ainmnithe cumraíochtaí go féadfaidh difriúil in drugaí, dathanna, caolú, agus tráchtanna chun freastal difriúil cleachtais laistigh a
singil suíomh nó ospidéal (le haghaidh sampla, péidiatraice in aghaidh cairdiach).

Breise úsáidí cuir san áireamh ag táirgeadh lipéid le haghaidh IVanna agus eile déantáin úsáidtear le linn a máinliachta nós imeachta.

Tá an Codonics SLS is go ginearálta curtha in, ach ní teoranta chun, an perioperative timpeallacht chun aithint steallairí ullmhaithe le haghaidh ainéistéiseolaíocht úsáid le linn máinliacht.

Tipiciúla úsáideoirí de seo córas atá oilte gairmithe, san áireamh ach ní teoranta chun lianna, altraí, agus teicneoirí.

Tá an móra tréithe agus feidhmeanna de an teaghlach de gairis áirítear:
- **Scanadh an druga coimeádán barrachód go díreach ó a vial nó eile cineál de coimeádán**
- **Díchódú an eisithe ag an monaróir barrachód isteach an riachtanach FDA Náisiúnta Drugaí Cód (NDC) nó Uathúil Drugaí Aitheantóir (UDI) uimhir**
- **Ag tagairt an NDC / UDI uimhir chun a bainistithe ar an láithreán form form form Féach suas bunachar sonraí**
- **Ag soláthar fuaime agus Comhlíontach le ISO amhairc "Athléamh" de an druga ainm**
- **Ag soláthar an airdeall dá an druga coimeádán is liostaithe mar "Meabhraithe / imithe i léig" in an láithreán form form form**

- **Priontáil an éasca le léamh, uisce resistant ISO 26825 comhlíontach dath lipéad cruinniú Tá an Comhpháirteach Coimisiún cógais bainistíocht caighdeáin agus an A.merican Cumann de Ainéistéiseolaithe treoirlínte le haghaidh lipéadú**
- **Ag soláthar an bunúsach faisnéis le atá an clóite lipéad barrachód féidir bheith léigh to doiciméad cógais riarachán in an AIDHMEANNA**
- **Priontáil lipéid le a chur isteach agus dul in éag dáta agus am le haghaidh IV línte**

Gléas Tásca le haghaidh Úsáid Ráiteas: Oideas Úsáid Gléas

Tá an Codonics SLS PCS gléas agus SLS bogearraí soláthraíonn a simplí ríomhaire-bhunaithe barrachód scanadh agus priontáil córas chun go huathoibríoch fhíorú druga féiniúlacht ó NDC agus eile druga coimeádán UDI barrachód, agus chun cló lipéid le haghaidh ullmhaithe drugaí agus eile míreanna in úsáid ar othair le linn máinliachta nósanna imeachta.

Tá an Codonics SLS PCS is go ginearálta curtha in, ach ní teoranta chun, an perioperative timpeallacht chun aithint steallairí ullmhaithe le haghaidh ainéistéiseolaíocht úsáid le linn máinliacht. Breise úsáidí cuir san áireamh ag táirgeadh lipéid le haghaidh IVanna agus eile déantáin úsáidtear le linn a máinliachta nós imeachta. SLS PCS féidir freisin bheith úsáidtear chun cló "Neamh-mháinliachta timpeallacht " dath agus téacs lipéid mar riachtanach. Tipiciúla úsáideoirí de seo córas atá oilte gairmithe, san áireamh ach ní teoranta chun lianna, altraí, agus teicneoirí.

ATHRÚ Chónaidhme Dlí srianta seo gléas chun bheith díolta le haghaidh úsáid le nó ar an ordú de a lia.

Guaiseach Ábhar Eolas

Ábhair de Tógáil

Codonics has leagtha an- déine caighdeáin le haghaidh luacháil táirgí chun chinntiú an margaíocht de rialála comhlíontach táirgí ar fud an domhain.

Táimid dhéanamh ní d'aon ghnó cuir, ná atá muid feasach, go an táirgí nó pacáistiú bhfuil an leanas ábhair:

- **Mearcair, seachas mar úsáidtear in lampa iarratais (le haghaidh sampla, scanadh lampaí, backlit LCDanna).**
- **Caidmiam, seachas mar úsáidtear mar tiubh scannán dúigh ar clóite ciorcad boird.**
- **Hexavalent Cróimiam, seachas mar úsáidtear mar tiubh scannán dúigh ar clóite ciorcad boird, mar crómáit tiontú bratuithe ar miotal dromchlaí, agus mar a photoresist ar gloine painéil de catóide gha feadáin.**
- **Polaimrominated défheinil éitir agus polybrominated défheinilí.**
- **Bith-infhaighte arsanaic (beag méideanna de arsanaic úsáidtear in gloine, Soilse, agus leathsheoltóirí atá ní mheas chun bheith bith-infhaighteacht).**
- **Bith-infhaighte criostalach shilice (beag méideanna de criostalach shilice atá úsáidtear in C.ertain péinteanna, bratuithe, agus filler ábhair).**

- **Polaclóirínithe défheinilí (PCBanna).**
- **Aispeist.**
- **Orgánach stáin (ní úsáidtear in stáin luaidhe sádróir iarratais).**
- **Ídiú ózóin substaintí den sórt sin mar clórafluaracarbóin, meitile clóraform, and carbóin teitreaclóiríd.**

Déantúsaíocht

Le linn déantúsaíocht oibríochtaí go toradh Codonics táirgí (san áireamh pacáistiú), níl ózón ídithe substaintí (den sórt sin mar clórafluaracarbóin, meitile clóraform, agus carbóin teitreaclóiríd) atá úsáidtear.

Sonraíochtaí

Córas: Comhtháite capacitive teagmháil scáileán ríomhaire, 2D barrachód scanóir, dath dúch scaird printéir, fuaime aiseolas, agus foráil le haghaidh a líonra comhéadan
Dúch Cartúis: Ceann amháin dath Cartús (CMY)
SmartDrive: USB splanc tiomáint le haghaidh ag stóráil cumraíocht sonraí, form form form bunachar sonraí, logáil isteach comhaid
Inléite Barrachóid: GS1 Barra Sonraí Teoranta (RSS Teoranta), GS1 Barra Sonraí Cruachta (RSS-14 Cruachta), GS1-128,
UPC-A, Sonraí Maitrís, Cód 128, Cód 128 barrachód le GS1-128, Cód 39, Cód 32,
IFT-14, Idirdhuilleogach 2 de 5, EAN-8, EAN-13
Scríofa Barrachóid: Sonraí Maitrís
Líonra Comhéadain: Ethernet (RJ-45), san áireamh caighdeánach
Wifi (USB-2 cuibheoir), roghnach, ar fáil ó Codonics
Líonra Luasanna: Ethernet, lán déphléacsach 100 Bonn-T amháin
Wifi, 802.11 b / g / n (2.4 GHz) agus 802.11 a / n / ac (5.0 GHz)
Líonra Prótacail: SSH (Slán Shell) agus SCP (Slán Cóip)
Úsáidtear chun rochtain SLS PCS ó Codonics-údaraithe iarratais
Toisí: Airde: 16.5 in. (41.9 cm)
Leithead: 10.43 in. (26.5 cm)
Doimhneacht: 15.67 in. (39.8 cm)
Meáchan: 14.5 lbs (6.6 KG)

Cumhacht: Uilíoch Ionchur: 100-240 VAC, 50/60 Hz
Comhshaol: *Oibriúcháin:*
Teocht: 15-30 ° C. (59–86 ° F)
Bogthaise: 20% –80% neamh-chomhdhlúthú
Á sheoladh agus Stóráil:
Airde: Farraige Leibhéal chun 5790 m
Teocht (Crua-earraí): -22.2–51 ° C. (-8–123.8 ° F)
Teocht (Dúch Cartús agus Lipéad Meáin): 1–43 ° C. (34–110 ° F)
Bogthaise (Crua-earraí): 5% –85% neamh-chomhdhlúthú
Bogthaise (Dúch Cartús agus Lipéad Meáin): 5% –80% neamh-chomhdhlúthú
Leighis Comhlíonadh FDA glanta chun mhargadh in aghaidh an 510 (k) K101439 Rang II, MDR CE (Aicme I), agus Rialála: GMP / QSR ISO 13485: 2016, Sábháilteacht IEC 60601-1 agus EMC IEC 60601-1-2 le haghaidh Gairmiúil
Cúram sláinte áiseanna
Aicmiú: Rang II trealamh, Táirge Cód BSZ, Rialachán Uimhir 868.5160
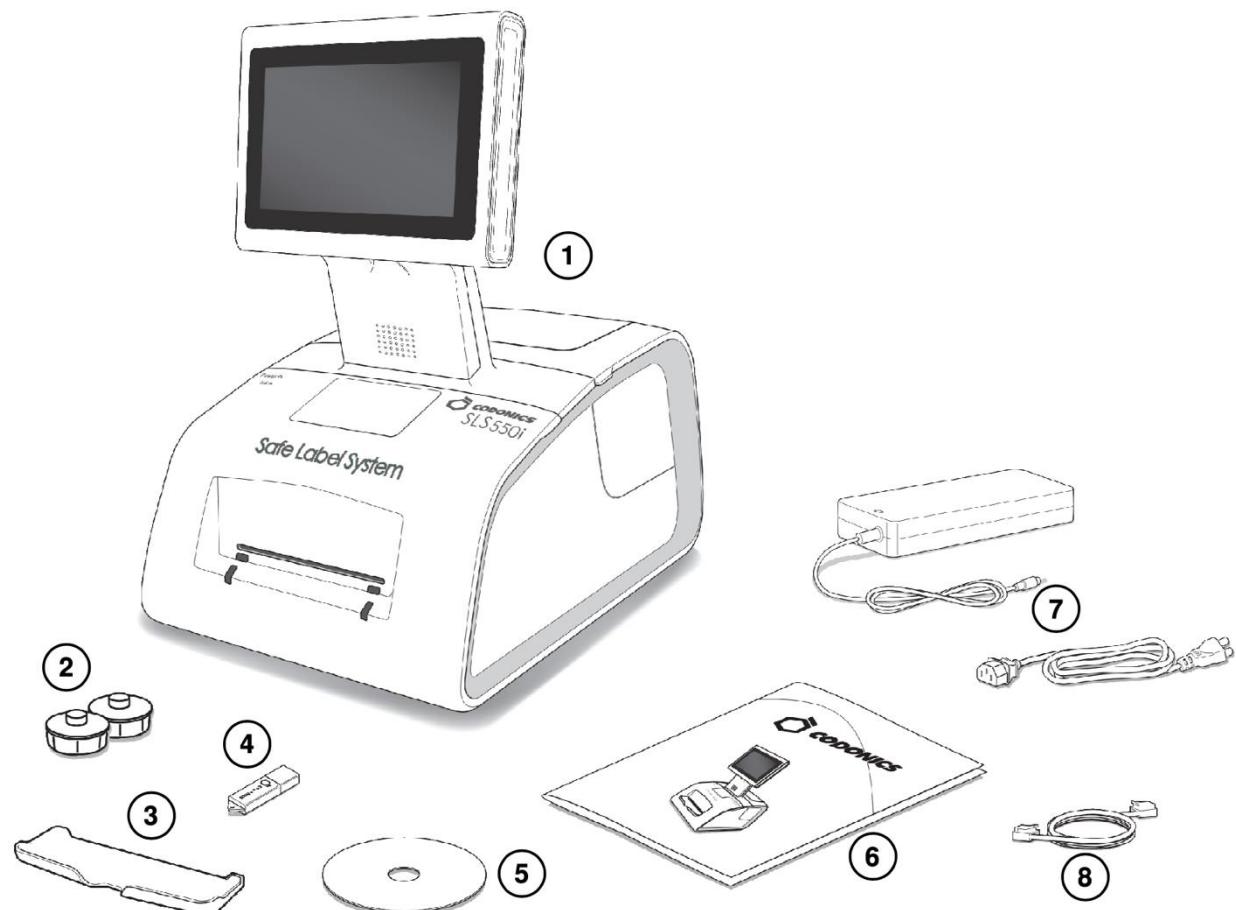
ATHRÚ Chónaidhme Dlí srianta seo gléas chun bheith díolta le haghaidh úsáid le nó ar an ordú de a lia
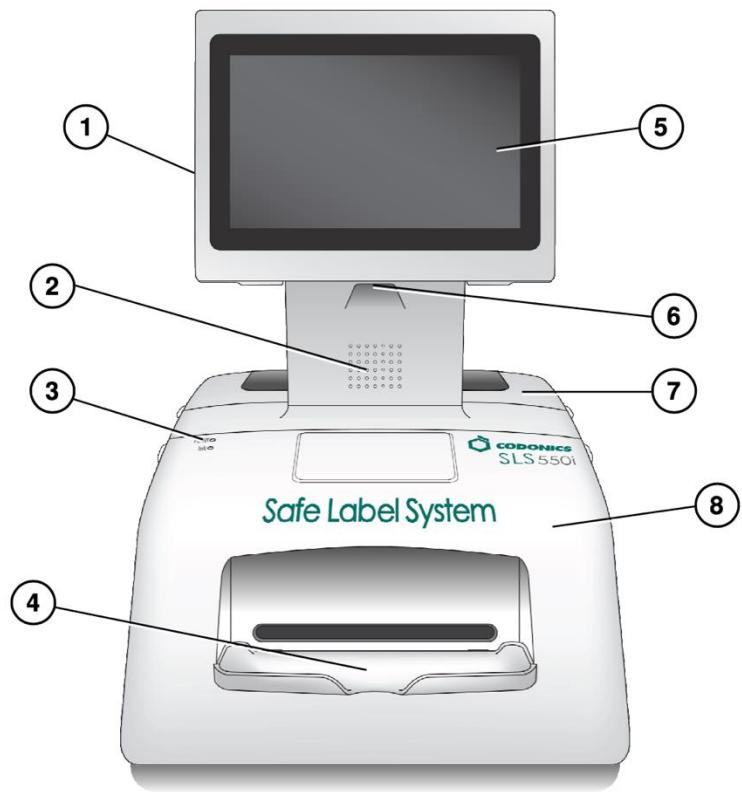
Comhpháirteanna

Díphacáil Comhpháirteanna
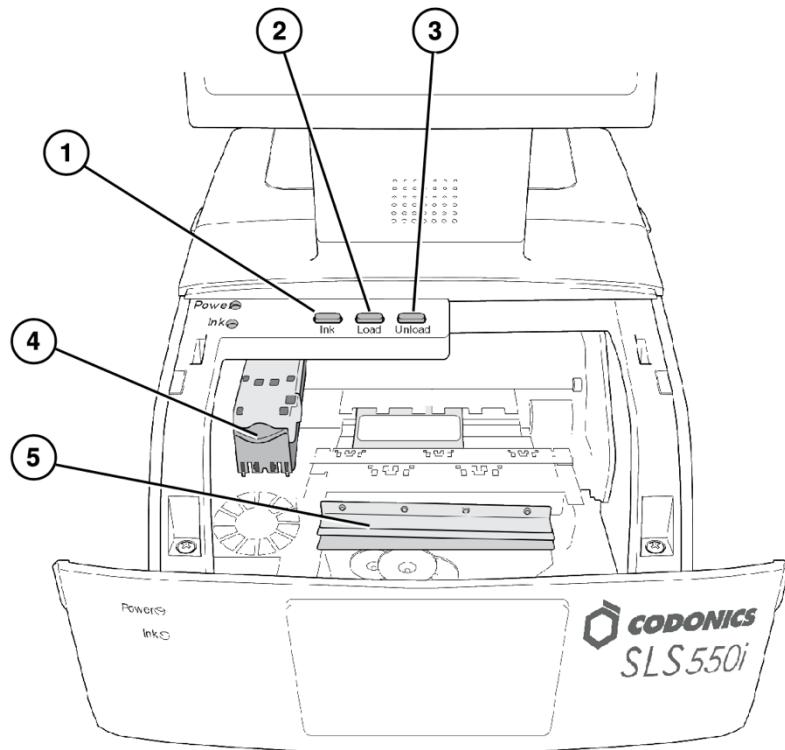
1. Safe Label System

2. Lipéad meáin moil

3. Aschur bosca bruscair

4. SmartDrive

5. Úsáideoir Lámhleabhar diosca

6. Tagairt treoir agus eile doiciméadú

7. Seachtrach cumhacht soláthar agus corda

8.Ethernet cábla

Tosaigh Comhpháirteanna

1. **Dteagmháil scáileán USB port 1**

2. **Fuaim cainteoir**

3. **Córas cumhacht Faoi stiúir**

4. **Aschur bosca bruscair (suiteáilte)**

5. **Dteagmháil scáileán**

6. **Barrachód scanóir**

7. **Cúil clúdach**

8. **Tosaigh clúdach**
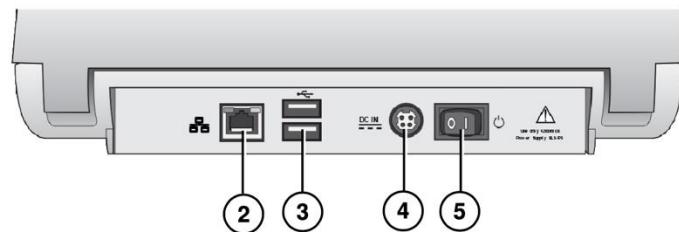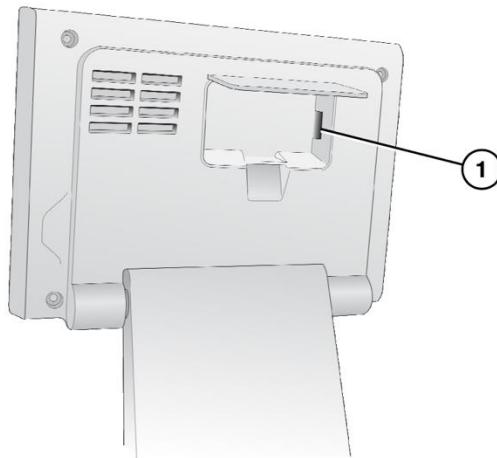
Comhpháirteanna Taobh istigh Tosaigh Clúdach

1. **Dúch cnaipe**

2. **Luchtaigh achtonna**

3. **Díluchtaigh cnaipe**

4. **Dúch Cartús iompar**

5. **Lipéad cutter**
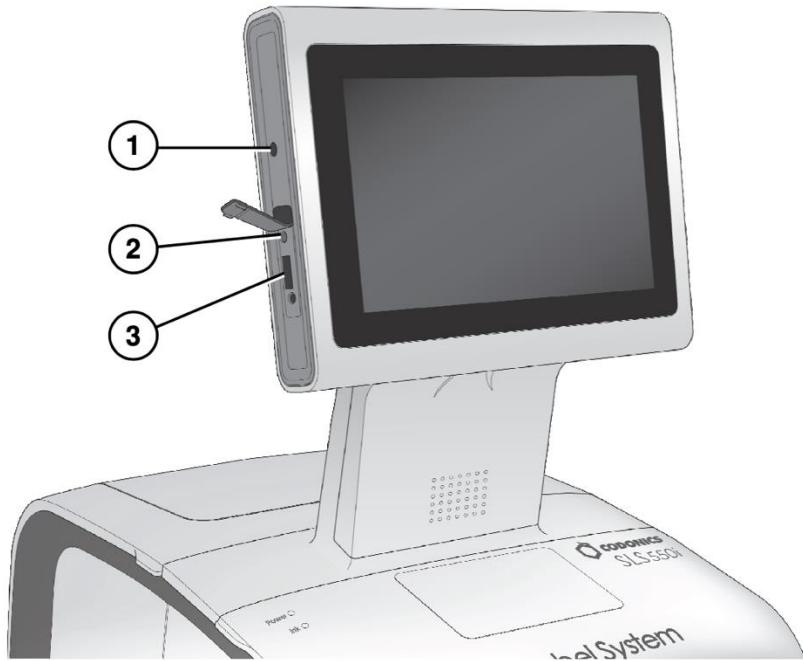
RABHADH: Cathain an tosaigh clúdach is oscailte, seachain déan teagmháil le an lipéad gearrthóir.

Cúil Comhpháirteanna
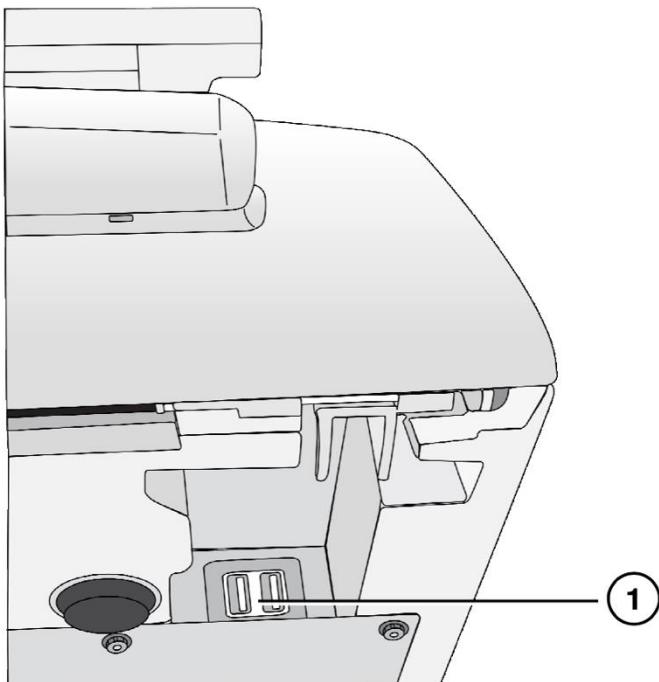
1. SmartDrive USB port2

2. Ethernet port

3. USB calafoirt

4. Cumhacht ionchur port

5. Cumhacht lasc

Dteagmháil Scáileán Comhpháirteanna

1. Cumhacht LED.
2. Athshocraigh cnaipe
3. USB port

Wifi Cuibheoir USB Port
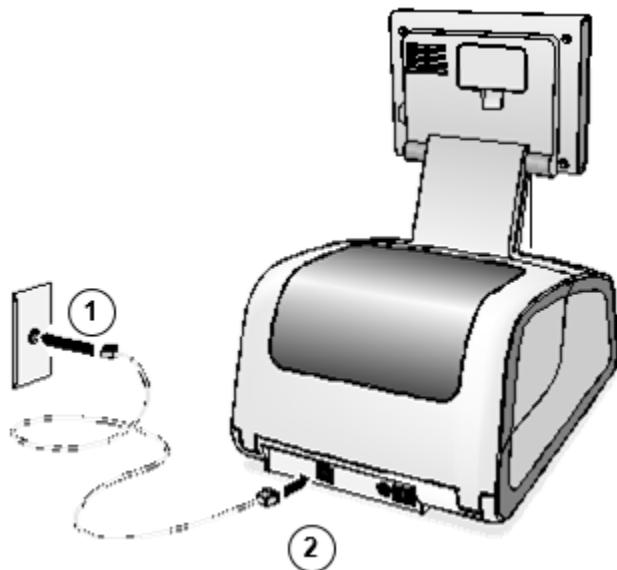
1. USB port le haghaidh Wifi cuibheoir (bun tosaigh ceart cúinne de an SLS

Crua-earraí Socrú

ATHRÚ: Amháin oilte úsáideoirí chóir shuiteáil agus cumraigh an córas.

Ethernet Cábla (Roghnach)
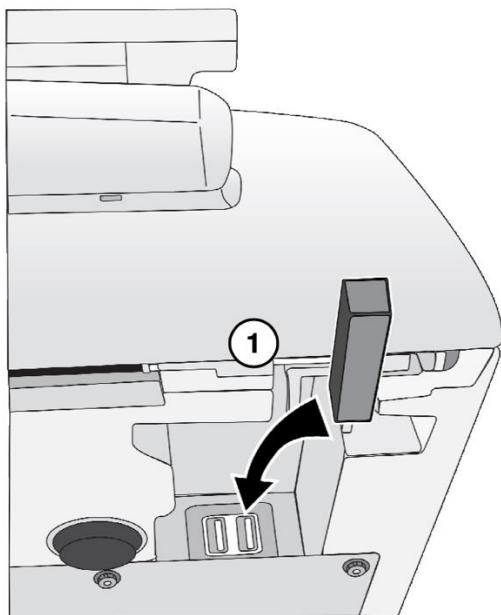
1. Ceangal an Ethernet cábla chun a mol nó asraon go is ceangailte chun an líonra.

2. Ceangal an eile deireadh de an Ethernet cábla chun an SLS.

NÓTA: Le haghaidh faisnéis faoi ag cumrú SLS Ethernet líonra socruithe, féach chun an SLS Úsáideoir Lámhleabhar v1.3.0.

ATHRÚ: Tá an SLS tacaíochtaí amháin ceann líonra nasc ag a am, ach an oiread Ethernet nó Wifi. Déan ní ceangal araon an Ethernet cábla agus an Wifi cuibheoir ag an céanna am.

Wifi Cuibheoir (Roghnach)
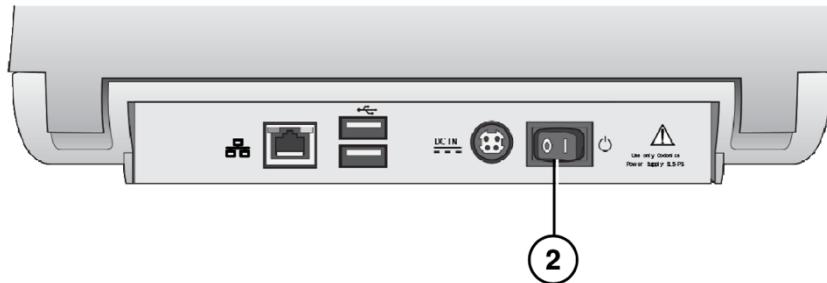
1. Ionsáigh an Wifi cuibheoir isteach an USB port ag an bun tosaigh ceart cúinne de an SLS.

NÓTA: Le haghaidh faisnéis faoi ag cumrú SLS Wifi líonra socruithe, féach chun an SLS Úsáideoir Lámhleabhar v1.3.0.
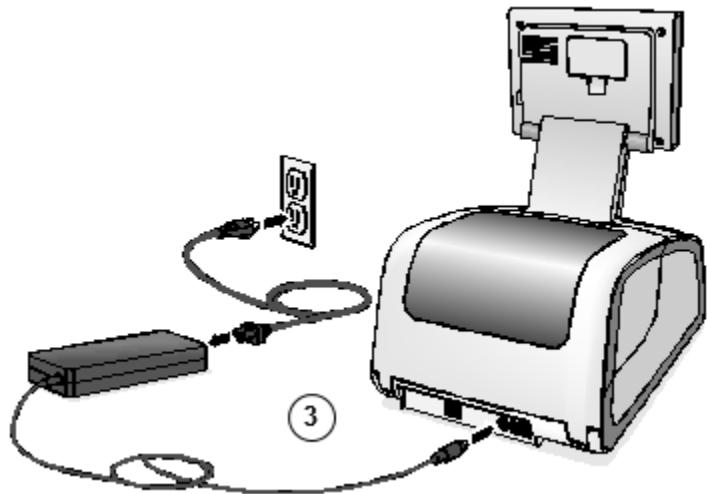
ATHRÚ: Tá an SLS tacaíochtaí amháin ceann líonra nasc ag a am, ach an oiread Ethernet nó Wifi. Déan ní ceangal araon an Ethernet cábla agus an Wifi cuibheoir ag an céanna am.

Cumhacht, SmartDrive

1. Áit an SLS ar a soladach leibhéal dromchla.

2. Cas an Cumhacht lasc chun as.

3. Ceangal an seachtrach cumhacht soláthar.
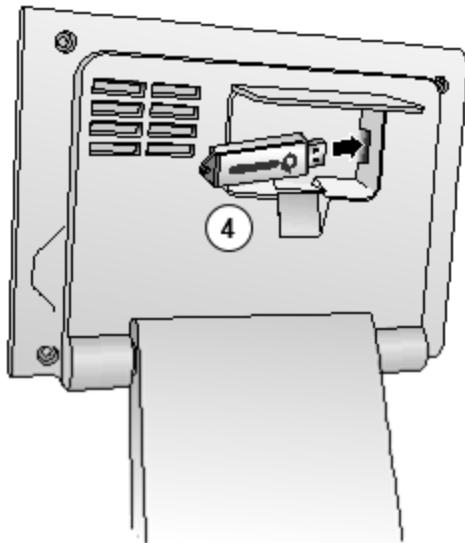
⚠ **RABHADH: Tá an cumhacht corda ceangailte chun an SLS is an priomh dícheangail le haghaidh an córas.**
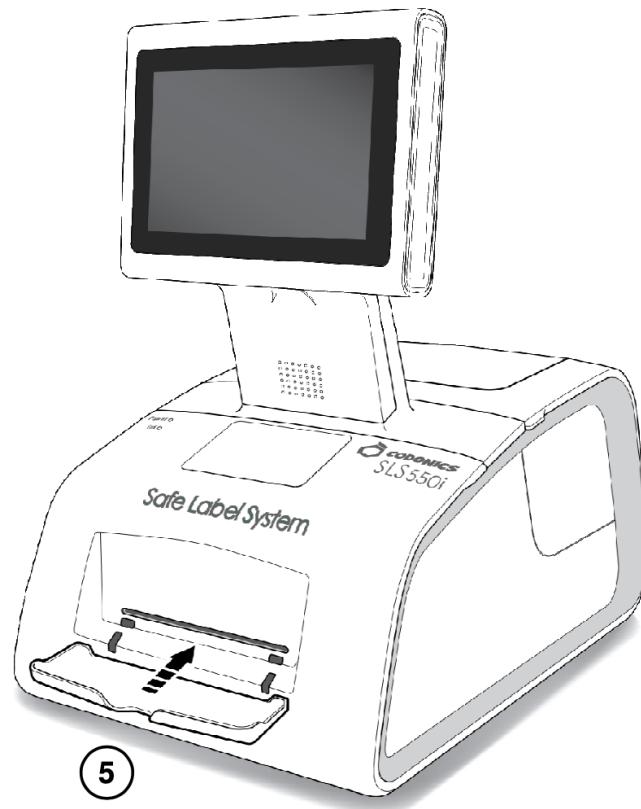
⚠ **RABHADH: Talamh iontaofacht féidir bheith bainte amach amháin Cathain an SLS is ceangailte chun a gabhdán marcáilte "Ospidéal Amháin " (sin is, "Ospidéal Grád ").**

⚠ **RABHADH: Déan ní teagmháil a othar cé freisin rochtain SLS inmheánach comhpháirteanna go atá faoi an rochtain clúdaigh.**
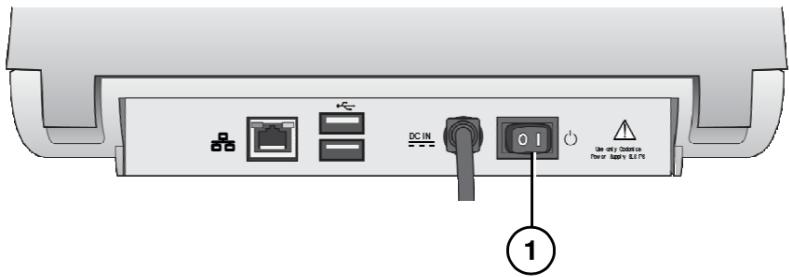
4. Ionsáigh an SmartDrive.
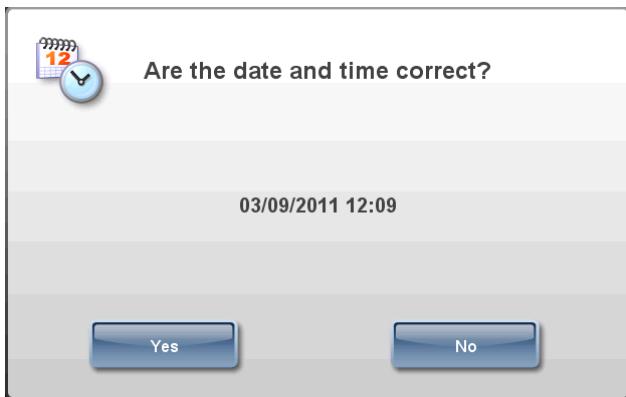
5. Ionsáigh an aschur bosca bruscair.

Tosaithe
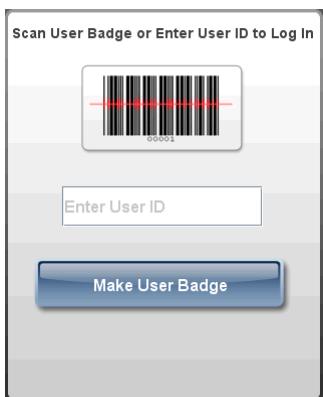
1. Cas ar an Cumhacht lasc.

2. **Deimhnigh nó choigeartú an dáta agus am.**

3. **Tá an Logáil isteach pras taispeántais.**

Ag luchtú Meáin

NÓTA: Úsáid amháin Codonics-soláthar meáin.

Chun ordú meáin, déan teagmháil Codonics Custaiméir Seirbhís ag:

Phone:+1.440.243.1198
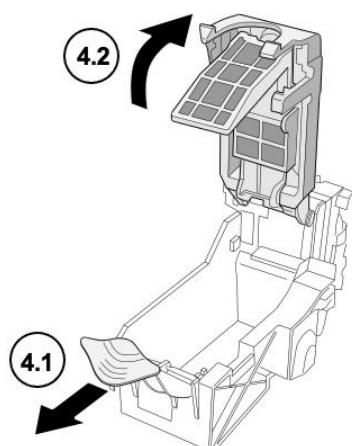
Suiteáil an Dúch Cartús

1. Oscail an tosaigh clúdach.
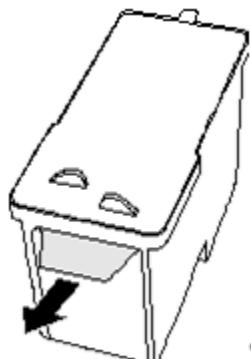
2. Brúigh an Dúch cnaipe.
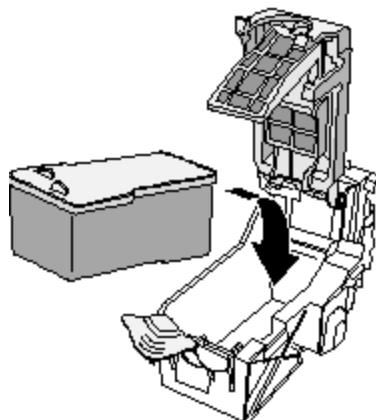
3. Fan le haghaidh an dúch Cartús iompar chun críochnaigh ag bogadh.
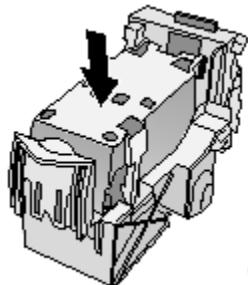
4. Oscail an dúch Cartús iompar.
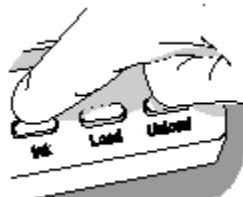
5. Bain an téip go clúdaigh an dúch Cartús cló ceann.

6. Suiteáil an dúch Cartús.

7. Dún an dúch Cartús iompar.
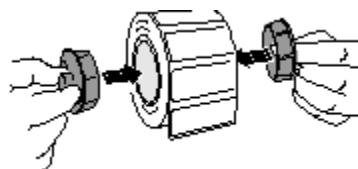
8. Brúigh an Dúch cnaipe.
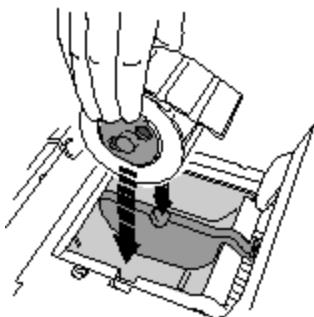
9. Dún an tosaigh clúdach.

Ag luchtú Lipéad Meáin

1.Oscail an chúl clúdach.
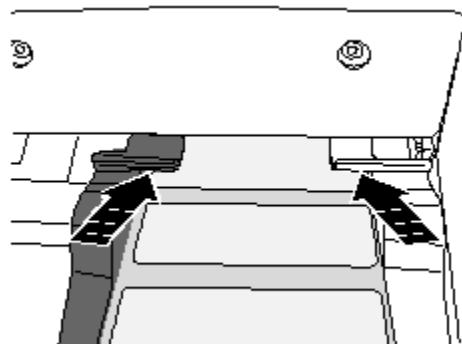
2.Ionsáigh an lipéad meáin moil.

3. Áit an lipéad meáin agus moil in an meáin treoracha.

4. Coigeartaigh an meáin treoracha. Lipéad meáin chóir bheith slán ach fós ábalta chun cas faoi shaoirse.

5. Áit an lipéad meáin thíos an meáin treoracha agus isteach an friothálacha sliotán.
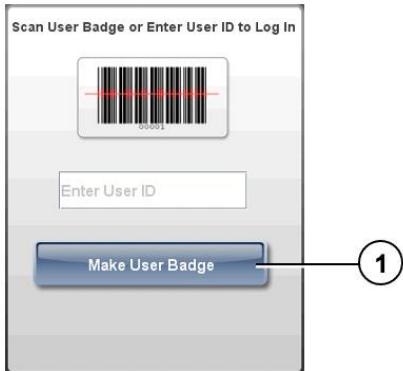
6. Feed an lipéad meáin go dtí an SLS go huathoibríoch fothaí é tríd an meáin cosán. Tú d'fhéadfadh riachtanas chun shealbhú an lipéad meáin in áit le haghaidh a cúpla soicind.

NÓTA: Dá an SLS theipeann chun beatha an lipéad meáin, oscailte an tosaigh clúdach, brúigh an Díluchtaigh cnaipe, bain an meáin ó an meáin cosán, fan go dtí an meáin cosán rollóirí stad ag sníomh, agus bain triail as luchtú an meáin arís.

7. Dún an chúl clúdach.

Logáil isteach

Déanamh a Úsáideoir Suaitheantas

1. Ag an Logáil isteach pras, brúigh an Déan Úsáideoir Suaitheantas cnaipe.
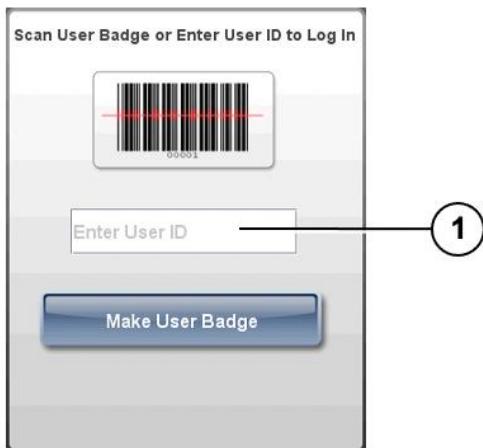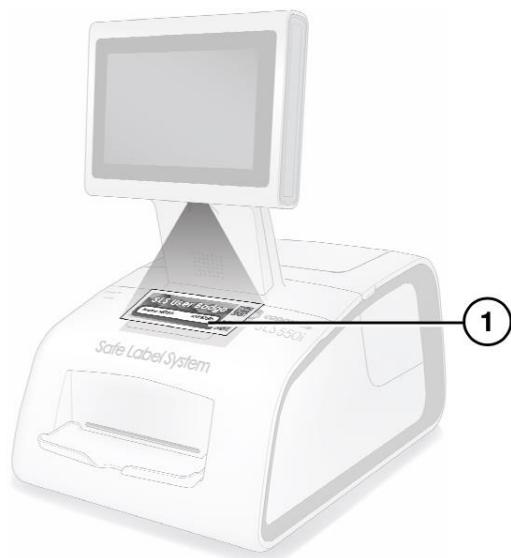

2. Iontráil do úsáideoir faisnéis.

**NÓTA: Tá an Fostaí ID Ní mór bheith uathúil i measc an SLS úsáideoirí.**
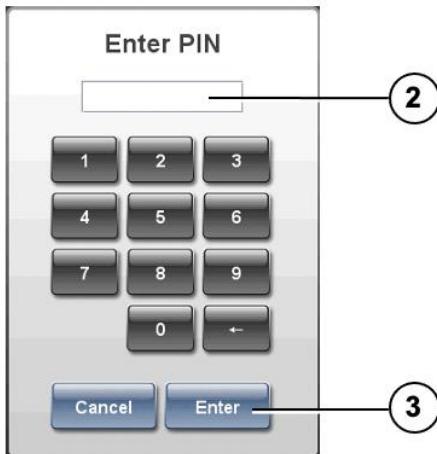
NÓTA: Tá an PIN féidir bheith suas chun deich digití fada. Dá an córas is ní cumraithe chun cheangal a PIN, ansin tú uacht ní bheith spreagtha chun isteach a PIN.

3. Brúigh an Priontáil cnaipe.

Logáil I

1. Ag an Logáil isteach pras, scanadh do úsáideoir suaitheantas barrachód nó de láimh isteach do úsáideoir ID.
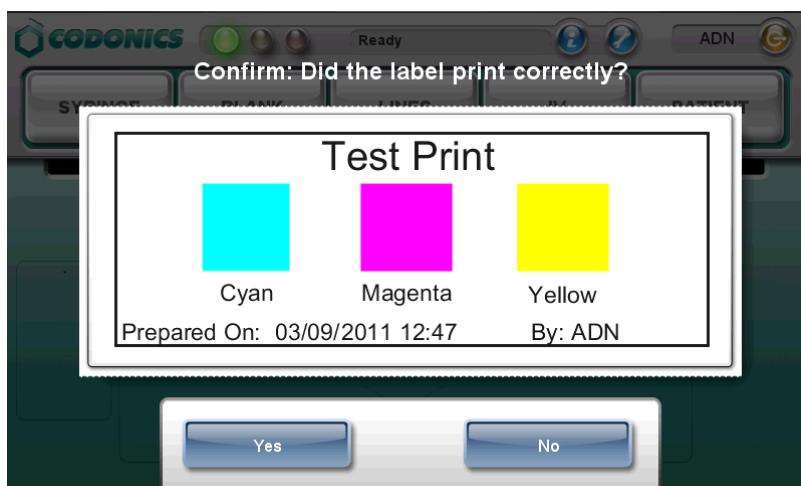
2. Dá an córas is cumraithe chun cheangal a PIN, isteach do PIN.

NÓTA: Tá an PIN féidir bheith suas chun deich digití fada.

3. Brúigh an Iontráil cnaipe.

Dá a scrúdú lipéad is clóite, tú atá spreagtha chun dheimhnigh go an scrúdú lipéad clóite i gceart.
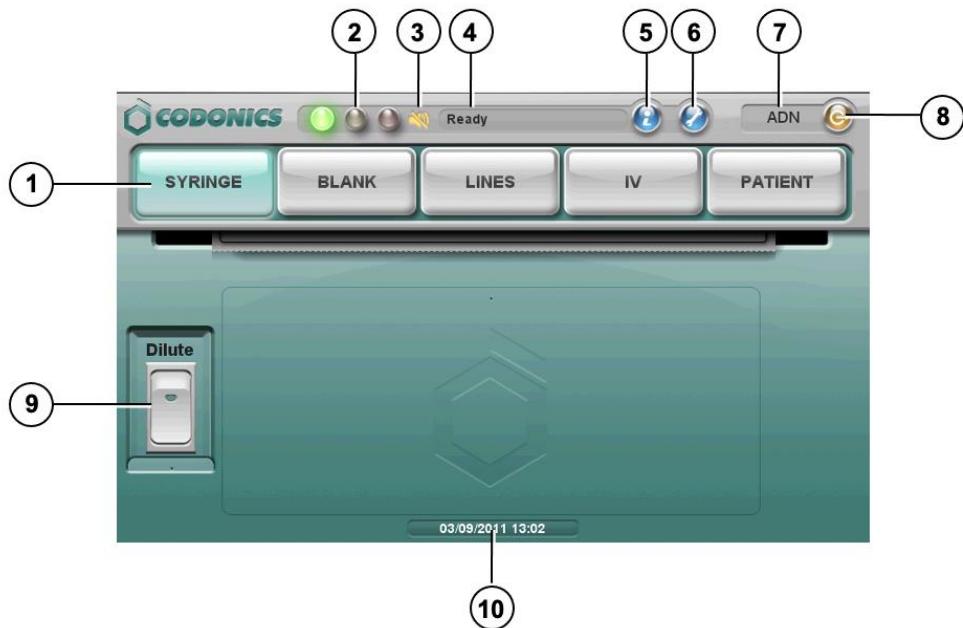

4. Scrúdaigh an scrúdú lipéad.

5. Dá an scrúdú lipéad clóite i gceart, brúigh an Sea cnaipe. Tá an córas is réidh le haghaidh úsáid.

Dá an scrúdú lipéad rinne ní cló i gceart, brúigh an Níl cnaipe. Lean an ar an scáileán treoracha.

Dteagmháil Scáileán Úsáideoir Interface
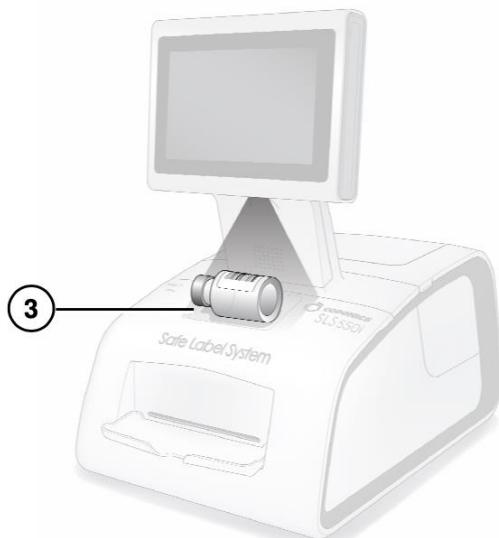
1. Lipéad cineál cnaipí
2. Faoi stiúir stádas táscairí
3. Imleabhar Báite deilbhín
4. Córas stádas teachtaireacht
5. Córas faisnéis cnaipe
6. Fóntais cnaipe
7. Úsáideoir ceannlitreacha
8. Logáil Amach cnaipe
9. Caolaigh lasc
10. Reatha dáta agus am

Priontáil a Steallaire Lipéad - Bunúsach Úsáid
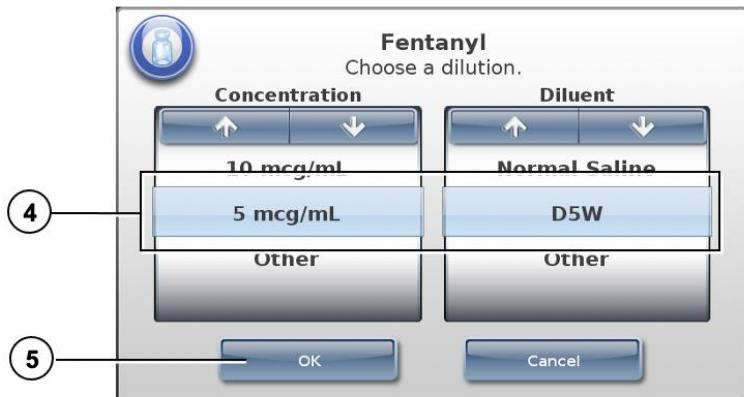
ATHRÚ: T.sé form form form úsáidtear ar an SLS chóir bheith ceann go bhí cruthaíodh le an córas riarthóir agus ceadaithe le haghaidh úsáid.


1. Brúigh an Steallaire lipéad cnaipe.

2. Chun cuir san áireamh caolú faisnéis, brúigh an Caolaigh lasc chun cas é ar.

3. Scan an druga coimeádán barrachód.
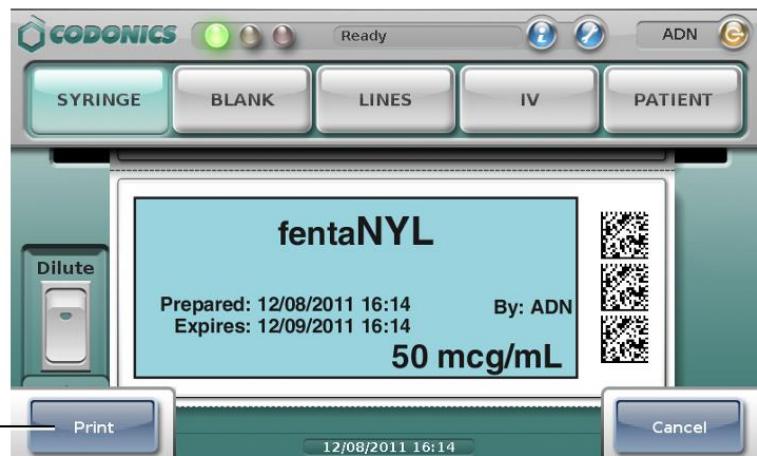
4. Dá an Roghnaigh a Caolú pras taispeántais, roghnaigh a tiúchan agus diluent.

RABHADH: SLS úsáideoirí atá freagrach le haghaidh ríomh agus ag roghnú an ceart tiúchan agus diluent.

5. Brúigh an Ceart go leor cnaipe.

Dá an córas is cumraithe chun cheangal deimhniú roimh priontáil an lipéad, a deimhniú pras taispeántais.

NÓTA: Tá an lipéad deimhniú pras is ar taispeáint le haghaidh sábháilteacht cúiseanna chun chinntiú go an ceart druga faisnéis is bheith clóite.

6. Brúigh an Priontáil cnaipe chun dheimhnigh agus cló an lipéad.

7. Aisghabháil an clóite lipéad ó an aschur bosca bruscair.

Dá an córas is cumraithe chun cheangal deimhniú tar éis priontáil an lipéad, a deimhniú pras taispeántais.

NÓTA: Tá an lipéad deimhniú pras is ar taispeáint le haghaidh sábháilteacht cúiseanna chun chinntiú go an lipéad has curtha clóite i gceart.

> 8. Tar éis ag athbhreithniú an lipéad agus an scáileán taispeáint, taibhiú ceann de an leanas céimeanna:

- **Scan an barrachód ar an clóite lipéad. Dá an barrachód is ceart, an córas léiríonn seo agus an nós imeachta is iomlán.**
- **Dá tú féidir féach go an lipéad rinne ní cló i gceart, brúigh an Níl cnaipe. Lean an ar an scáileán treoracha.**
- **Dá tú atá ní ábalta chun scanadh an barrachód, brúigh an Ní féidir chun Scan cnaipe. Lean an ar an scáileán treoirs.**
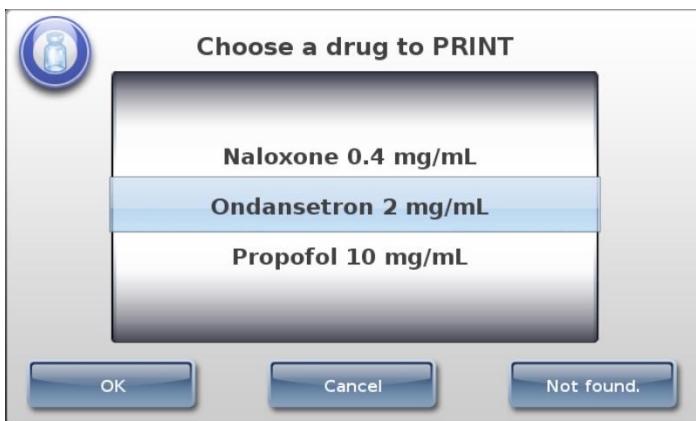
RABHADH: Chun seachain mí-lipéadú steallairí, Déan cinnte go tú láithreach greamaithe an ceart lipéad chun an oiriúnach steallaire.

RABHADH: Mícheart steallaire lipéid chóir bheith scriosta nó diúscartha de chun chinntiú go siad atá ní úsáidtear.

Priontáil a Steallaire Lipéad - Ardleibhéal Oibríochtaí

Meaitseáil Coimeádán IDanna
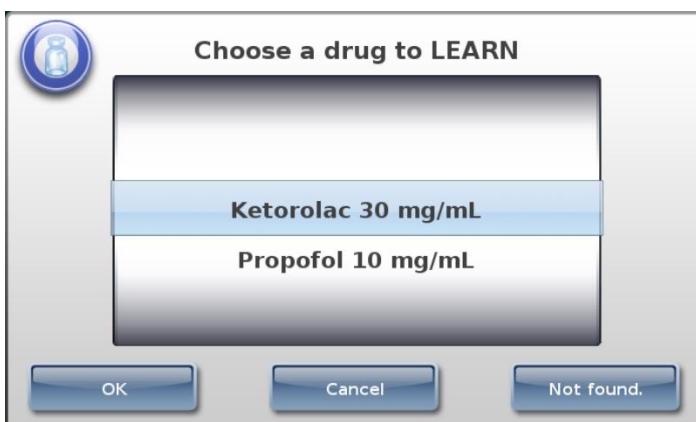
Tar éis scanadh an druga coimeádán barrachód, dá ann atá iolrach meaitseála drugaí le an céanna Coimeádán ID, siad atá ar taispeáint.

- Dá an ceart druga is ar taispeáint, roghnaigh é agus ansin brúigh an Ceart go leor cnaipe.
- Dá an ceart druga is ní ar taispeáint, brúigh an Ní Aimsíodh cnaipe. Tá an nós imeachta foircinn. Déan teagmháil do SLS system administrator nó Codonics Teicniúil Tacaíocht (+1.440.243.1198).
- Chun cealú an oibriú, brúigh an Cealaigh cnaipe.

Mapáilte Máistir IDanna (SAM Amháin)

Tar éis scanadh an druga coimeádán barrachód, dá an Coimeádán ID go bhí scanadh féidir bheith mapáilte chun níos mó ná ceann Máistir ID, siúd drugaí atá ar taispeáint.
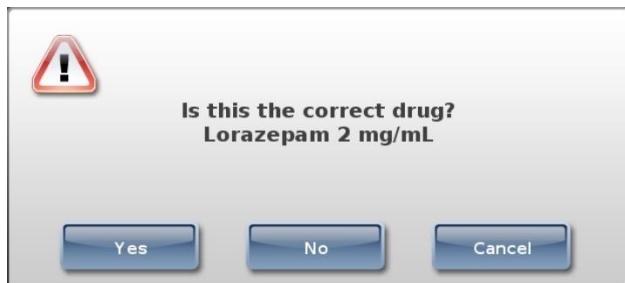
- Dá an ceart druga is ar taispeáint, roghnaigh é agus ansin brúigh an Ceart go leor cnaipe.
- Dá an ceart druga is ní fuarthas, brúigh an Ní Aimsíodh cnaipe. Tá an nós imeachta foircinn. Déan teagmháil do SLS córas riarthóir nó Codonics Teicniúil Tacaíocht (+1.440.243.1198).
- Chun cealú an oibriú, brúigh an Cealaigh cnaipe.

Drugaí Fíorú

Dá an druga has ní curtha roimhe seo fíoraithe chun chinntiú go an druga coimeádán faisnéis is an céanna mar an druga faisnéis in an form form, a fíorú pras taispeántais.
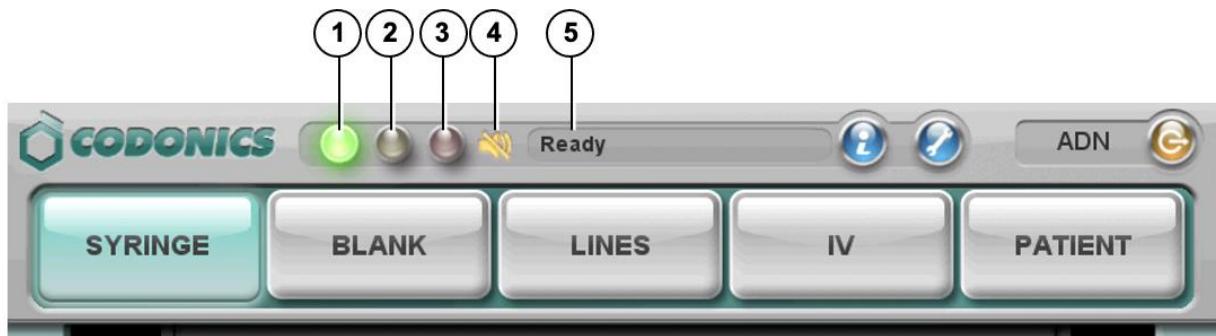
NÓTA: Tá an fíorú pras amháin tharlaíonn uair amháin le haghaidh an ceann druga, Cathain a coimeádán barrachód is scanadh le haghaidh an ar dtús am.

- **Dá an druga faisnéis is ceart, brúigh an Sea cnaipe. Tú atá spreagtha arís chun dheimhnigh go an druga faisnéis is ceart.**
- **Dá an druga faisnéis is ní ceart, brúigh an Níl cnaipe. Tú atá spreagtha arís chun dheimhnigh go an druga faisnéis is mícheart.**
- **Chun cealú an oibriú, brúigh an Cealaigh cnaipe.**

Monatóireacht Stádas

Painéal na nIonstraimí Stádas Eolas

1. Gnáth: Tá an córas is réidh chun phróiseas nó is próiseáil a post (le haghaidh sampla, priontáil).

2. Foláireamh riocht: Tá an córas féidir fós phróiseas poist ach Éilíonn úsáideoir aird (le haghaidh sampla, íseal dúch).

3. Criticiúil nó locht riocht: Tá an córas d'fhéadfadh ní bheith ábalta chun phróiseas poist. Tá an córas Éilíonn láithreach úsáideoir attention (le haghaidh sampla, amach de lipéad meáin).

4. Báite deilbhín: Taispeántais Cathain an toirt is fuaim.

5. Stádas teachtaireachtaí.

Córas Eolas

1. Brúigh an Córas Eolas deilbhín.

2. Brúigh an cluaisíní chun amharc breise faisnéis.

Cothabháil

Ag taispeáint an Fóntais Scáileán

1. Brúigh an Fóntais cnaipe.

   Tá an Fóntais scáileán taispeántais. Tá an cnaipí atá cur síos air in an tábla thíos.

2. Chun dhúnadh an Fóntais scáileán, brúigh an Fóntais cnaipe arís.

Clean Nozzles

   Glanann an dúch Cartús soic

Adjust Label

   Ceadaíonn tú chun choigeartú an lipéad meáin cosán chun chinntiú go lipéad ábhar is i gceart láraithe ar an lipéad.

Dark Print: Off / On

   Tacair dorcha priontáil de dubh téacs chun as nó ar.

Print My Badge

   Priontaí a úsáideoir suaitheantas le haghaidh an úsáideoir EDS is faoi láthair logáilte isteach in.

Calibrate Screen

   Calabrúcháin an teagmháil scáileán.

Network

Ceadaíonn tú chun cumraigh an líonra socruithe.

Copy Logs

Cóipeanna córas logaí chun a USB splanc tiomáint go is curtha isteach in an teagmháil scáileán USB port 1.

Clear Errors

Glanann córas earráidí. Seo suíomh chóir amháin bheith úsáidtear le córas riarthóirí tar éis an earráidí atá go cúramach athbhreithnithe.

Manage Features

Ceadaíonn tú chun cuir SLS gnéithe.

Coigeartuithe an teagmháil scáileán gile.

Coigeartuithe an fuaime toirt.

Imréitigh a Lipéad Jam

1. Bain do lámhainní.

2. Oscail an tosaigh agus chúl clúdachs.

3. Sainaithin an suíomh de an jammed meáin agus úsáid an oiriúnach nós imeachta thíos.

Imréitigh a Lipéad Jam in an Tosaigh Meáin Treoir

1. Go réidh bain an lipéad meáin ó faoi an tosaigh treoir le ag tarraingt suas an lipéad meáin in aice an dúch iompar.

ATHRÚ: A.neamhní feannadh suas a lipéad in an meáin cosán. Tú d'fhéadfadh agat chun tarraingt an meáin ar aghaidh tríd an gearrthóir chun seachain feannadh a lipéad. Dá a lipéad is scafa suas in an meáin cosán, dhéanamh ní brúigh an greamachán taobh de an lipéad i gcoinne an bileog miotal treoracha.
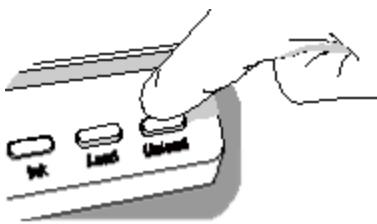
2. Úsáid siosúr chun gearrtha an línéar idir a dó lipéid le an dúch iompar chun cead a thabhairt tú chun bain an jammed lipéad meáin.

Dá riachtanach, brúigh an Luchtaigh cnaipe chun roimh ré an lipéad meáin.

NÓTA: Siosúr atá molta le haghaidh gearradh an línéar mar sin go an lipéad meáin uacht agat a díreach imeall. Tá an díreach imeall uacht Déan luchtú an lipéad meáin níos éasca.

3. Go réidh bain an jammed chuid de an lipéad meáin.

4. Athbhreithniú an stiall de lipéid. Déan cinnte go tú féidir cuntas le haghaidh ar fad de an lipéid agus go níl lipéid atá i bhfostú in an tosaigh meáin treoir. Caith amach an damáiste lipéad meáin.

5. Dá codanna de an lipéad meáin atá fós jammed in an meáin cosán, cumhacht as an córas (féach chun "Múchadh agus Cumhacht Off"). Úsáid neamh-mhiotalacha tweezers agus go cúramach bain ar bith breise lipéad meáin ó an meáin cosán.

6. Brúigh an Díluchtaigh cnaipe chun droim ar ais ar bith chuid de an lipéad meáin go is fós in an meáin cosán.

7. Scrúdaigh an lipéad meáin. Úsáid siosúr chun gearrtha as ar bith damáiste lipéid.

8. Dún an tosaigh clúdach, ualach an lipéad meáin, agus dhúnadh an chúl clúdach.

Imréitigh a Lipéad Jam in an Cúil Meáin Treoir

1. Sainaithin an suíomh de an jammed meáin faoi an chúl meáin treoir.

Tá an chúl meáin cosán féidir bheith nochtaithe le ag baint úsáide as an ordóg scriúnna chun bain an chúl meáin treoir clúdach.

2. Úsáid siosúr chun gearrtha an línéar idir a dó lipéid le an dúch iompar. Seo uacht laghdú an uimhir de lipéid bheith ceirteacha tarraingthe ar ais tríd an meáin cosán.

3. Go réidh bain an gearrtha chuid de an lipéad meáin ó an tosaigh meáin treoir agus scriosadh é.
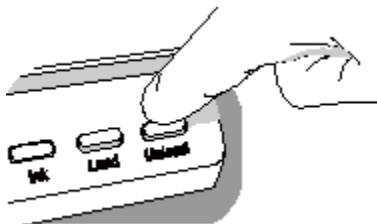
4. Úsáid siosúr chun gearrtha an línéar idir an jammed chuid de an lipéad meáin agus an lipéad meáin rolla.

NÓTA: Siosúr atá molta le haghaidh gearradh an línéar mar sin go an lipéad meáin uacht agat a díreach imeall. Tá an díreach imeall uacht Déan luchtú an lipéad meáin níos éasca.

5. Go réidh bain an jammed chuid de an lipéad meáin.

ATHRÚ: A.neamhní feannadh suas a lipéad in an meáin cosán. Dá a lipéad is scafa suas in an meáin cosán, dhéanamh ní brúigh an greamachán taobh de an lipéad i gcoinne an bileog miotal treoracha.

6. Athbhreithniú an stiall de lipéid. Déan cinnte go tú féidir cuntas le haghaidh ar fad de an lipéid agus go níl lipéid atá i bhfostú in an chúl meáin treoir. Caith amach an damáiste lipéad meáin.

7. Dá codanna de an lipéad meáin atá fós jammed in an meáin cosán, cumhacht as an córas (féach chun "Múchadh agus Cumhacht Off"). Úsáid neamh-mhiotalacha tweezers agus go cúramach bain ar bith breise lipéad meáin ó an meáin cosán.

8. Brúigh an Díluchtaigh cnaipe chun droim ar ais ar bith chuid de an lipéad meáin go is fós in an meáin cosán.

9. Scrúdaigh an lipéad meáin. Úsáid siosúr chun gearrtha as ar bith damáiste lipéid.

10. Dún an tosaigh clúdach, ualach an lipéad meáin, agus dhúnadh an chúl clúdach.
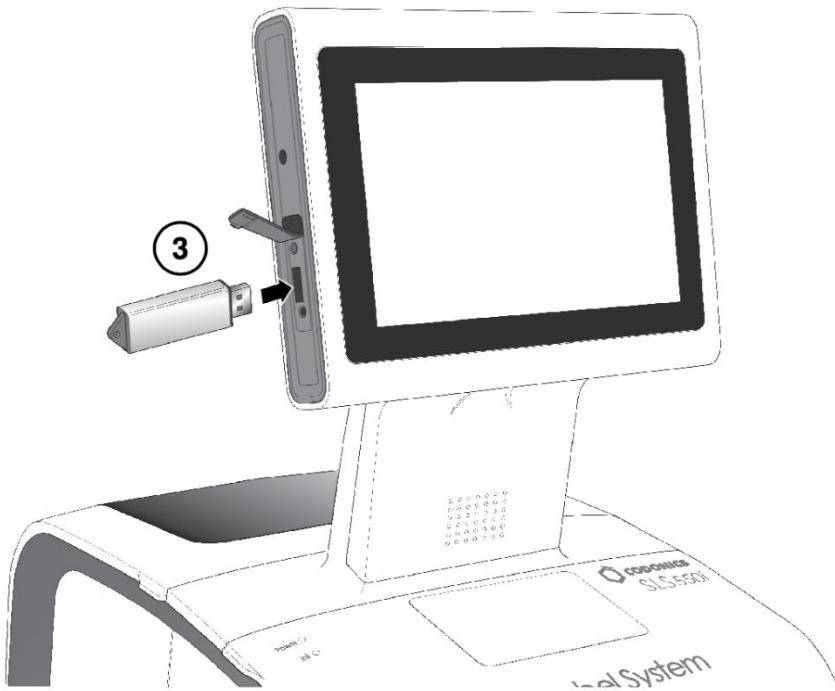
Suiteáil Nuashonrú Pacáistí

Úsáid seo nós imeachta chun de láimh shuiteáil form form form nuashonrú pacáistí agus cumraíocht nuashonrúlth pacáistí.

NÓTA: Foirmle agus cumraíocht nuashonrú pacáistí féidir freisin bheith suiteáilte go cianda ag baint úsáide as an Riarachán Uirlis. Le haghaidh níos mó faisnéis, féach chun an SLS Riarachán Uirlis Úsáideoir Lámhleabhar v1.3.0.

ATHRÚ: Suiteáil córas bogearraí chóir amháin bheith léirithe mar ordaithe le Codonics Teicniúil Tacaíocht. Déan ní iarracht chun shuiteáil córas bogearraí sin an cúnamh de Codonics Teicniúil Tacaíocht.

1. Logáil in.

2. Déan cinnte go an SLS is ní próiseáil ar bith cló poist nó fóntais.

3. Ionsáigh an USB splanc tiomáint ar atá an nuashonrú pacáiste nó bogearraí is suiteáilte.

   Tú atá spreagtha chun dheimhnigh an Suiteáil.

4. Brúigh an Sea cnaipe chun leanúint ar aghaidh.

5. Cathain an Suiteáil comhaid agat curtha cóipeáladh, bain an USB splanc tiomáint.

   Cathain an Suiteáil is iomlán, an córas atosú go huathoibríoch.

ATHRÚ: Tá an SLS custaiméir is freagrach le haghaidh ag cinntiú go an ceart foirmiúily agus cumraíocht pacáistí atá bheith suiteáilte ar an SLS.

ATHRÚ: Cleachtadh caighdeánach faisnéis teicneolaíocht (TF) réamhchúraimí chun chosaint sonraí gaolmhar le an form form form (le haghaidh sampla, slánú an ábhar de an USB splanc tiomáint ar atá an fhoirmulary nuashonrú pacáiste is stóráilte).
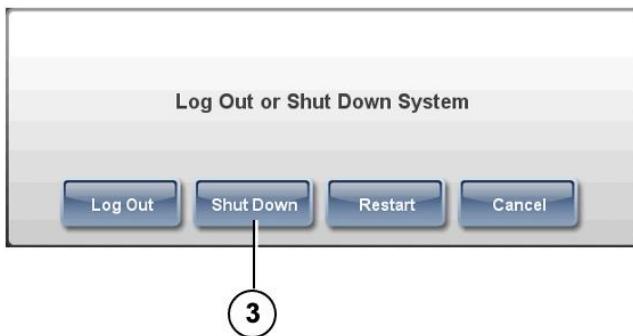
ATHRÚ: Tá an SLS custaiméir is freagrach le haghaidh an cruinneas de an sonraí in an form form, san áireamh druga sonraí go has curtha cóipeáladh ó tríú páirtí druga bunachair sonraí.

Múchadh agus Cumhacht Off
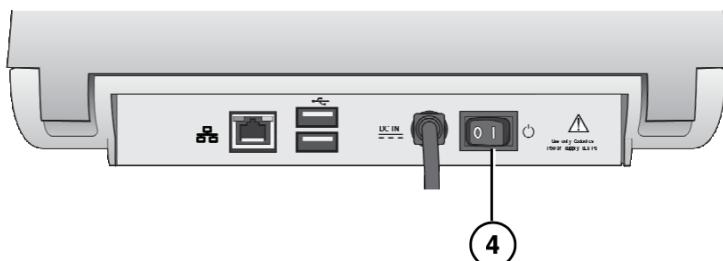
1. Déan cinnte ar fad cló poist agat críochnaithe.

2. Brúigh an Logáil Amach cnaipe.

3. Brúigh an Shut Síos cnaipe.

4. Cathain múchadh is iomlán, cas as an Cumhacht lasc.

Fabhtcheartú

Fadhb: Tosaithe theipeann.
- Seiceáil an seachtrach cumhacht soláthar agus cáblaí.
- Seiceáil an cumhacht lasc ar an chúl painéal.
- Fíoraigh go an SmartDrive is ceangailte.

Fadhb: Córas uacht ní cumhacht ar.
- Ionadaigh an seachtrach cumhacht soláthar.

Fadhb: Logáil isteach theipeann.
- Fíoraigh an úsáideoir ainm.
- Fíoraigh an PIN.
- Fíoraigh go an úsáideoir suaitheantas is ceart agus go a barrachód cáilíocht is sásúil.

Fadhb: Tá an teagmháil scáileán dhéanann ní freagra a thabhairt i gceart Cathain i dteagmháil léi.
- Rith an Calabraigh Scáileán fóntais.

Fadhb: Tá an form form form theipeann chun ualach nó is neamhbhailí.
- A. nua form form form nuashonrú pacáiste d'fhéadfadh agat chun bheith cruthaíodh agus luchtaithe. Féach do SLS córas riarthóir.

Fadhb: A. druga coimeádán theip fíorú.
- Tá an druga d'fhéadfadh agat chun bheith curtha leis chun nó ceartaithe in an form form form.
- Déan cinnte go an barrachód ar an druga is de maith cáilíocht.
- ATHRÚ: Seo is a serios eisiúint. Fógra a thabhairt do SLS córas riarthóir.

Fadhb: A. scrúdú lipéad nó steallaire lipéad rinne ní cló i gceart.
- Caith amach an lipéad agus bain triail as arís.
- Dá an lipéad cló cáilíocht is olc: Rith an Glan Nozzles fóntais, Ionadaigh an dúch Cartús, agus Ionadaigh an lipéad meáin.
- Dá an cló is ní ailínithe i gceart ar an lipéad, rith an Coigeartaigh Lipéad fóntais.
- Dá an mícheart druga faisnéis is clóite ar an lipéad, an druga d'fhéadfadh agat chun bheith ceartaithe in an form form form. Féach do SLS córas riarthóir.
- ATHRÚ: Seo is a tromchúiseach eisiúint. Fógra a thabhairt do SLS córas riarthóir.

Fadhb: Tá an barrachód scanóir is ní scanadh.
- Déan cinnte an barrachód is i gceart suite. Tá an dearg tras-ghruaig chóir líne suas le an barrachód agus an coimeádán nó steallaire chóir bheith mar dhúnadh chun an tosaigh clúdach mar féidir.
- Múchadh an córas ó an teagmháil scáileán agus ansin timthriall cumhacht chun an córas.
- Déan cinnte an cáilíocht de an barrachód is maith.
- Glan an scanóir gloine fuinneog.
- Tá an barrachód symbology d'fhéadfadh ní bheith tacaithe. Déan teagmháil Codonics Teicniúil Tacaíocht (+1 440.243.1198)

Fadhb: Tá an lipéad meáin is jammed.
- Glan an lipéad subh. Déan tagairt chun "Imréitigh a Lipéad Jam ".

Fadhb: Tá an SLS uacht ní ceangal chun an líonra.
- Fíoraigh go an Ethernet cábla nó Wifi cuibheoir is ceangailte.
- Fíoraigh go an SLS líonra socruithe atá cumraithe i gceart.

NÓTA: Le haghaidh breise fabhtcheartaithe saincheisteanna, féach chun an Safe Label System Úsáideoir Lámhleabhar.