

# Codonics & Pharmacolog *integrate*

## to provide **an end-to-end diversion control system**



### **The better way to manage discarded narcotics**

An integrated solution that combines electronic safety checks during medication preparation and administration with better management of the medical waste workflow provides a robust, proven and modern approach to drug diversion. A simple scan of the barcode on prepared and labeled syringes enables instant, electronic verification of returned narcotics, easily sampled for fast, accurate results and analytics. Key data such as drug name, concentration, by whom and at what time a medication was prepared provides analytical insight and reduces manual processes. This unprecedented solution provides users with a simple and highly effective way to monitor and safeguard discarded narcotics following surgical procedures to reduce drug diversion.

### **How it works**

Codonics Safe Label System is used at the point of care to electronically identify vials and ampules during medication preparation. As a medication is removed from an anesthesia cart, a quick scan of its barcode provides clinicians with a visual and audible confirmation of the drug in hand to ensure safety. As the syringe is drawn up, a full-color, ready-to-apply label that contains all of the elements required by The Joint Commission including a 2D barcode is simultaneously printed. This barcode enables integration with the AIMS/EHR and with Pharmacolog's WasteLog® medication assay device once the discarded narcotics are collected.

In Pharmacy, or anywhere returns occur, Safe Label System syringes can be scanned to immediately identify the drug and concentration. WasteLog® enables the syringe and concentration to be instantly verified to ensure it has not been tampered with. Simply inject a small volume (0.3-0.5 mL) into the cuvette and place it into the WasteLog® unit. A few clicks on the WasteLog® touchscreen and a very robust and highly accurate result is at your fingertips in 2-3 seconds.

### **Data analytics**

In a simple and efficient workflow, the easy-to-read syringe label visually displays pertinent drug information while the barcode embeds it. Once the residual drug is assayed and compared to the label information, key data and diversion insight is available in seconds, providing an in-depth analysis on drug diversion dashboards and reports for insight on broken medication chains, such as:

- Trend analysis
- Report generators
- Data filters

Implemented together, the products offer a complete end-to-end solution (see integrated workflow) or can be purchased independently and integrated at a later date. Safe Label System provides a safe, compliant and standardized approach to drug labeling that eliminates handwritten labels and helps eliminate medication errors. WasteLog® validates controlled substances not consumed in the OR by providing instant verification of a drug's identity and concentration. Together, the integrated solution provides a simple workflow to manage diversion assessments with more accurate insight using barcode scanning.



## PREPARATION

Remove medication from anesthesia cart, then scan on Safe Label System which provides a visual and audible confirmation of the drug in hand as a safety check. A full-color, TJC-compliant label is presented that includes the drug name, concentration, date and time of preparation, date and time of expiration, the preparer's initials, any warnings about the drug and a 2D barcode that integrates with WasteLog<sup>®</sup>.

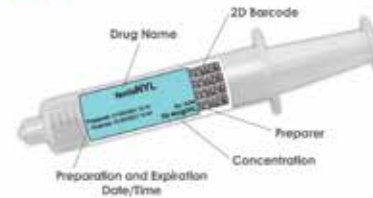
Inventory  
& Dispense



Scan



Label



## ADMINISTRATION

Prepared medications are moved to the gas machine and scanned using Codonics SLS-WAVE which provides an additional safety check prior to administration as well as electronically documents into the AIMS/EHR. At the end of the case, narcotics are placed into the waste container.

Document



Waste



## DIVERSION CONTROL

Syringe is scanned to identify the drug and concentration. A sample of the contents is injected into the cuvette and then placed into the WasteLog<sup>®</sup> unit. With a few clicks on the touchscreen, the test is initiated and results can be viewed in seconds.

Scan



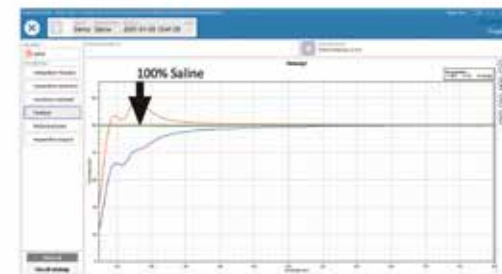
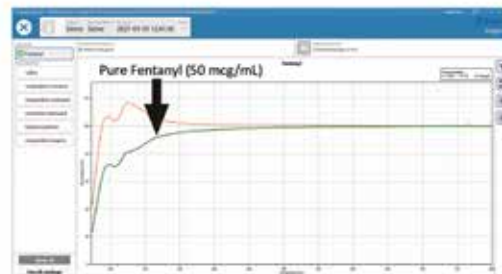
Sample



Test



Data Analytics



Test results including who and what time the medication was prepared can be reviewed later with a data analytics tool or sent on to other database analytics for trending analysis.