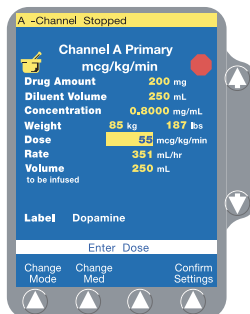# Colleague CX Pump with Colleague Guardian Feature

The **Colleague CX** pump with **Colleague Guardian** feature promotes **safety** and **operational efficiency** in the administration of infusion therapies.
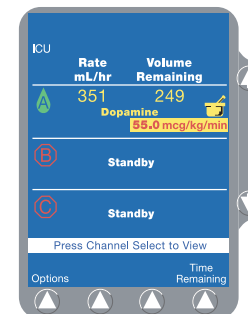
- Dose limits can be preset for any drug label.
- Alerts staff when programmed doses are not within institutional limits by displaying a warning on screen.
- Overrides are displayed and stored in the pump's history log for added security.
- Easy-to-read multi-colored screen clearly communicates critical information at a glance.
- Automated tube loading and a keyed on/off slide clamp loading mechanism provide enhanced protection from free-flow during set loading and unloading.
- Compatible with standard set tubing, allowing the same IV delivery sets to be used for both gravity and pump regulation and eliminating wasteful teardowns and excess costs.

Mortar and pestle icon indicates that **Colleague CX** pump with **Colleague Guardian** feature dose limits have been pre-programmed for the selected drug label.

If a programmed dose is outside of that label's limits, a pop-up alert requires dose reprogramming or dose limit override.

Overrides are displayed as red text over a yellow highlight and stored in the pump's history log.

Committed to a Safer Healthcare Environment

Medication Delivery

**Baxter**

# Colleague CX Volumetric Infusion Pumps

# Safety Focused

## ADVANCED FEATURES

**Preset Label Library**
Select from up to 64 preset drug labels and applications.

**User Defined Label Library**
Add up to 32 additional user labels.

**Dose Calculator**
Provides nine optional dose formulas, including: mg/min, mg/hr, mg/kg/min, mg/kg/hr, mcg/min, mcg/hr, mcg/kg/min, mcg/kg/hr, and units/hr.

**View Limits Soft Key**
Displays hospital pre-determined dose ranges.

**Volume History**
Provides Primary, Piggyback and Total Volume Delivered, current time and date as well as the time and date that Volume History was last cleared.

**Programmable Personalities**
Program up to eight unique personalities to match specific clinical needs, including:
- patient weight limits.         - rate limits.
- air detection sensitivity.    - medication parameters.

**Battery Charge Level**
Displays a measurement of approximate charge level as an indicator of remaining battery capacity.

**Auto Restart**
Automatic restart after a downstream occlusion correction. This is a configurable option with a range of 0-9 restart occurrences before manual intervention is required.

**Auto Tube Loading and Keyed On/Off Slide Clamp Loading Mechanism**
Provides enhanced protection from free-flow during set loading and unloading.

**Micro & Macro Rates**
Provides micro/macro rate programming.

**Auto Lock/Panel Lock**
Mechanical or software-based lock out of unauthorized IV set removal or programming of the pump.

**Program Memory**
Retains infusion settings for five hours after pump is turned off.

**Standby Mode**
Enables the pumping channel to be preprogrammed for a later delivery.

**Configurable Downstream Occlusion Values**

**Flow Rate Range on Each Pump Channel**
Primary: 0.1 – 1,200 mL/hr
Piggyback: 0.1 – 500 mL/hr

**Volume to be Infused**
0.1 mL up to 9,999 mL

**KVO Flow Rate**
0.1–5 mL increments (configurable or programmed rate, whichever is less).

**Uses Standard Set Tubing**
Eliminates the need for expensive specialty administration sets required by many other IV pumps.

**Confirm The Patient's Five Rights And Monitor Infusion Via Remote Access**
Provides real-time, wireless patient information at the point of care, when integrated with Baxter's Patient Care System.

## PHYSICAL/TECHNICAL SPECIFICATIONS

**Power Cord**
2.9 m (9 ft) long with hospital grade plug

**AC Power Requirements**
100-120/220-240 VAC, 50/60 Hz

**External Fuses**
1.6 amp Type T (Time delay) 250V

**Leakage Current**
Less than 300 microamps earth leakage†

**Ground Impedance**
Less than 0.2 ohms†

**Ambient Operating Temperatures**
59° F to 100° F (15° C to 38° C)

**Storage Temperature**
-20° F to 135° F (-29° C to 57° C)

**Nurse Call Option**  (Fixed output)

**Vacuum Florescent Pump Channel Display**

**LCD Screen Contrast Adjustment Control**

**Alert/Alarm Audible Adjustment Control**

**Alert/Alarm Interval**  (1-7 Seconds)

**Alarm Off Interval** (1-7 Seconds)

**Calculator-Style Numeric Programming Keypad**

**Time Setting** (Real time entered in hours and minutes)

**Date Setting** (Month/day/year)

**RS232/423 Communications Port**

**Diagnostics/Service Functions**

| Product | Product Code | Weight | Size (inches) | Size (millimeters) | Battery Operating Time | Battery Recharging Time |
|---|---|---|---|---|---|---|
| Colleague CX | 2M8161 | 12.1 lbs. (5.5 kg)* | 10.20H x 7.75W x 8.00D** | 259H x 197W x 203D** | Approx. 7 hours operating time @ 100mL/hr*** | 12 hours to 80% of capacity |
| Colleague 3CX | 2M8163 | 17.5 lbs. (7.9 kg)* | 13.90H x 7.80W x 8.00D** | 353H x 197W x 203D** | Approx. 3 hours operating time @ 100mL/hr**** | 12 hours to 80% of capacity |

† Tested per UL 2601
*Approximate weight with mounting clamp.

**Approximate size without clamp knob or power cord.
***Fully charged new battery(ies). ****Running all three channels.

**Battery System:** Sealed lead acid batteries. Internal charge system recharges batteries whenever connected to AC outlet.

## ORDERING INFORMATION

**In the U.S.**, call **1-888-229-0001**,
or contact your authorized Baxter dealer.
For product information, call **1-800-933-0303**.
**In Canada**, call **1-888-719-9955**.

## Baxter