LifeCare PCA™

Patient-Controlled Analgesia Infusion
System with Full IV-EHR Interoperability

icumedical
human connections

Help put patients at ease with

Safe and Secure Pain Management

With the ICU Medical LifeCare PCA patient-controlled analgesia infusion system, you can be confident you are safely delivering the right drug at the right dose to the right patient in the right concentration.

As the first and only PCA system with an integrated barcode reader and full IV-EHR interoperability, LifeCare PCA offers streamlined programming and enhanced wireless and physical security to help you provide pain management therapy while helping deter diversion.

- Reduce IV Medication Errors
- Streamline Clinical Workflows
- Enhance Security and Address Diversion
- Connect to Your Electronic Health Record (EHR)

Reduce medication errors at the bedside with a PCA system designed with safety in mind
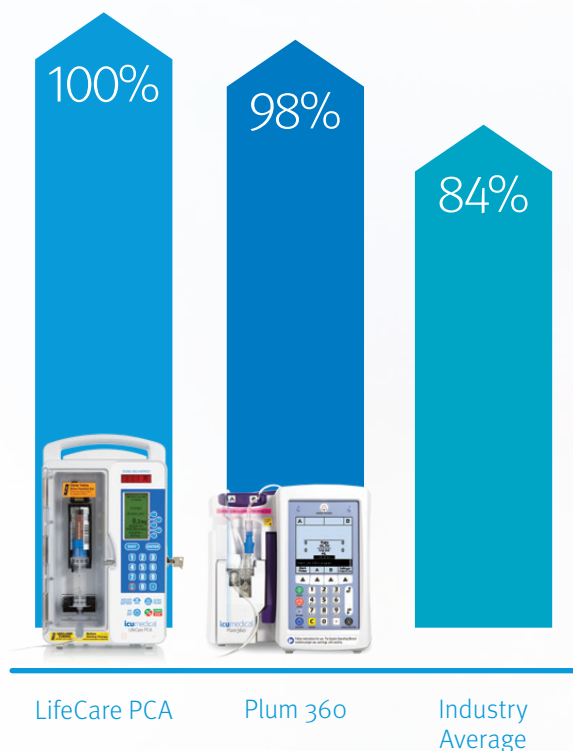
LifeCare PCA's unique patient safety technology helps you reduce medication errors through a series of features that put you in control of the infusion process, while putting your patients at ease with a system specifically designed for the self-administration of pain medication.

Help protect your patients and staff with the first and only PCA that has:

› A fully integrated barcode identification system that automatically recognizes medication and concentration, with on-screen confirmation after the medication is loaded.

› Full IV-EHR Interoperability that includes Smart Pump Programming, Infusion Documentation, Alarm Forwarding, and Real-Time Location Services (RTLS).

Ensure 100% of infusions are programmed within drug library limits

› LifeCare PCA automatically starts in the drug library when you are using ICU Medical MedNet™ safety software, leading to increased dosing accuracy.

› Hard and soft limits in the drug library are utilized for every infusion to maximize medication safety, improve compliance, and enhance medication safety.

100% 98% 84%

LifeCare PCA   Plum 360   Industry Average

Unmatched drug library compliance

With ICU Medical MedNet IV safety software, your programming sequence automatically starts in the drug library, ensuring compliance of 100% with LifeCare PCA. The ICU Medical Plum 360™ also starts in the drug library, showing average compliance rates of 98%.

PCA "use errors" can be
potentially reduced by

79%

through the LifeCare PCA barcode
system and interoperability

Clamp Tubing
Before Handling Vial
Fermer le(s) clamp(s) avant
de manipuler le flacon ⚠ Caution
Attention

CRADLE
RELEASE

MORPHINE
1 mg/mL

MORPHINE SULFATE

DOSE DELIVERED

morphine
1 mg/mL

■ CONFIRM
1 mg/mL
morphine
TO RX
■ REMOVE VIAL
IF NOT CORRECT

CONFIRM▶

EXIT   ENTER

1 2 3
4 5 6
7 8 9
CLR 0 .

UNLOCK

HISTORY
BATTERY

AUDIO
PAUSE

ON
OFF

START
STOP

icumedical
LifeCare PCA

1 UNCLAMP
TUBING
OUVRIR LE(S) CLAMP(S)

Before
Starting Therapy ⚠ Caution
Attention
avant de commencer le traitement

Refer to System Operating Manual for
complete operating instructions and
precautions.

WARNING: Failure to use compatible Hospira
vial injector and Hospira PCA sets with integral
anti-siphon valve may cause an inaccurate
dose delivery to the patient.

AVERTISSEMENT : Si l'on utilise pas les
flacons-injecteurs compatibles de Hospira avec
soupape antisiphon intégrée, le patient risque
de recevoir une dose incorrecte de
medicament.

CAUTION: Improper vial loading may cause
vial to crack. Inspect the vial for leaks and
cracks.

MISE EN GARDE : Le flacon peut se fendiller
s'il est mal installé. Examinez le flacon pour
vérifier s'il présente des fuites ou s'il est
fendillé.

WARNING: If drug concentration is changed
without priming or changing the administration
set, incorrect dosage may occur.

AVERTISSEMENT : Si l'on modifie la
concentration du médicament sans purger la
tubulure ou sans changer celle-ci, la dose
pourra être incorrecte.

WARNING: If entered concentration (mg/mL or
mcg/mL) does not match drug concentration in
the vial, under or over delivery may result.

AVERTISSEMENT : Si la concentration
entrée (mg/mL ou mcg/mL) ne correspond pas à la
concentration du
médicament contenu
dans le flacon, il
pourrait y avoir sur- ou
sous-administration.

CAUTION: Use of
radio frequency emitting devices such as
cellular telephones and 2-way radios in close
proximity to this device may affect its operation.

MISE EN GARDE : L'utilisation de fréquences
radio émises par des appareils tels que les
téléphones cellulaires et les radios
bidirectionnels à proximité de cet appareil peut
nuire au bon fonctionnement de l'appareil.

DANGER: Possible explosion hazard if used in
the presence of flammable anesthetics.

DANGER : Risque d'explosion possible si
employé en présence d'anesthésiques
inflammables.

Must be plugged in to maintain battery charge.
The battery is charging when AC power is applied.

For customer information or technical assistance, call
ICU Medical, Inc at 1-800-241-4002.
NOTE: Outside the U.S., contact your local ICU Medical
representative.

For more information and spare parts visit us at
www.icumed.com

LifeCare PCA is designed with unique features to enhance usability and streamline workflows

While medication safety and dosing accuracy are the prime drivers of LifeCare PCA's unique design, the system's clinician-centric usability features help improve efficiencies and streamline workflows. Safety-driven. Patient-focused. Clinician-friendly.
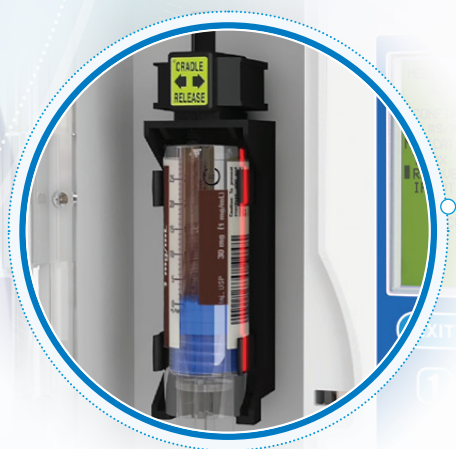
Intuitive, User-Friendly Design

› Easy-to-read confirmation screens

› Straightforward programming screens

› Clear, easy-to-read numeric keypad with larger numerical buttons and improved tactility

Pre-filled Glass Vials

› Pre-filled, barcoded glass vials are compact and easy to store in dispensing cabinets. Sterile empty vials can be custom filled and bar coded by the pharmacy

› Glass vials have graduated markings to easily assess remaining medication volume

Automatic Drug Recognition

› LifeCare PCA automatically recognizes the medication, and concentration, eliminating the need to manually associate the medication from the drug library list

Enhanced pump security assists you in your efforts to prevent drug diversion

Opioid diversion is a significant cause of opioid abuse, with about half of all individuals who misuse opioids getting the drugs from a family member or friend who has been safely and appropriately prescribed the drug, according to data from the Substance Abuse and Mental Health Administration (SAMHSA).[1]

LifeCare PCA is designed to help you keep medications secure and out of the hands of those for whom it was not prescribed.

Features that help prevent diversion:

› LifeCare PCA's keypad locks after infusion begins for added safety

› The medication vials used in the system resist tampering

  › Sealed packaging
  › Glass material for vials to deter diversion

› LifeCare PCA's door and pole clamp are securely locked by a proprietary key

  › Tamper-resistant door – less flexing in material and reinforced design
  › Increased door rigidity reduces flexing to deter forced entry

› The door is electronically monitored by the pump and triggers an alarm if opened during an infusion

› Interoperability can provide real-time visibility of opioids delivered at the bedside that can help with tracking and monitoring of medications

Drug diversion may cause undue suffering to patients, can be costly to an organization by damaging its reputation, and may lead to major civil and criminal monetary penalties[2]

1 https://www.samhsa.gov/data/sites/default/files/report_2686/ShortReport-2686.html
2 https://www.jointcommission.org/assets/1/23/Quick_Safety_Drug_diversion_FINAL2.PDF

DOSE DELIVERED

18.2

morphine
1 mg/mL
Medical

PCA ONLY

18.2 mg
milligrams
TOTAL DELIVERED
PCA DOSE=
1 mg

EXIT   ENTER

1 2 3
4 5 6
7 8 9
CLR 0 .

HISTORY
BATTERY

AUDIO
PAUSE

ON
OFF

START
STOP

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Percentage of chart
completion improved from

70% to 97%

after interoperability

DOSE DELIVERED

morphine
1 mg/mL
Medical

WAITING FOR
AUTO-PROGRAM

MANUAL
PROGRAM

EXIT   ENTER

1 2 3
4 5 6

Refer to System Operating
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Currently providing patients with all four essentials of IV-EHR interoperability

The LifeCare PCA infusion system is the first and only PCA system with an integrated barcode reader for drug identification and full IV-EHR interoperability. It also offers streamlined programming and enhanced wireless security, helping you provide accurate pain management therapy through safety-enhanced technology.

These features provide you with an added level of confidence in the safety and efficiency of PCA administration in your facility.

Only ICU Medical delivers all four IV-EHR interoperability profiles.

1 Smart Pump Programming
- › Increase safety by eliminating risk of programming errors
- › Reduce the number of steps and time spent programming

2 Infusion Documentation
- › Maximize clinical efficiency and accuracy by eliminating manual charting
- › Drive best practices and optimize critical thinking by sharing infusion data

3 Alarm Forwarding
- › Increase clinical efficiency and patient safety
- › Improve response to alarms and reduce alarm fatigue

4 Real-Time Location Services
- › Reduce time spent looking for pumps with room-level location views
- › Identify pumps for use, maintenance, or distribution with real-time status

Available

A commitment to exceptional ongoing technical support and clinical education

Our commitment to you doesn't end with the purchase. We provide a dedicated support organization with a wealth of knowledge, resources, and technical training opportunities to help you maximize the value of your investment in ICU Medical products.

When you choose ICU Medical, you are choosing a true partner who will be with you every step of the way, offering:

› Best-in-class technical and clinical in-servicing
› Dedicated field service engineers available
› Personalized instructional materials

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