Plum 360™

Infusion System with Full IV-EHR Interoperability

Your Direct Connection To Clinical Excellence

› Air management that doesn't require disconnecting from the patient

› A secondary line that connects directly to the cassette

› Proven full IV-EHR interoperability, ready when you are

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Get the Clinical Performance and Full IV-EHR Interoperability You Need Today

With today's hectic pace, tight budgets, and patient safety concerns, you need an infusion pump that serves you and your patients, helping to maximize valuable resources and enhance your clinical practice.

Achieving clinical excellence takes a pump that enables it. With ICU Medical's Plum 360 infusion system, you're equipped to do your best. With air management that doesn't require disconnecting from the patient, a secondary line that connects directly to the cassette, and proven full IV-EHR interoperability, you'll find that this infusion pump is unlike any other.

Maximize Safety with Closed System Air Management*

The unique design of the PlumSet™ cassette allows for automated back-priming to easily remove air from the line without disconnecting from the patient, allowing you to maintain a closed system.*

Reduce Therapy Interruptions
Capture 1 mL of air in the cassette's air trap—an industry exclusive feature—before the alarm is activated.

Reduce Risk of Contamination
Help eliminate the potential for contaminants by keeping the patient line connected.

Limit Exposure to Hazardous Medications
Protect clinicians and prepare for USP ‹800› with the PlumSet cassette's closed system.*

Minimize Wasted Medication
No need to purge the distal line, because air is removed without disconnecting from the patient, minimizing wasted medication.

* When using the PlumSet with Clave® secondary port and a closed system transfer device.

See Why Secondary Delivery Is of Primary Importance

ICU Medical's Plum 360 infusion system is unique in the way it connects the secondary line directly to the PlumSet cassette so the pump can differentiate between primary and secondary infusion lines and deliver each as intended. And if your secondary line is not infusing, an alarm will alert you. The results? You're more likely to reduce medication errors and ensure proper delivery.

Deliver Medication as Intended

The direct-connect secondary delivery helps to ensure medication is administered as intended, helping to improve delivery accuracy and avoid infusion errors.

Lower Medication Errors, Not Infusion Containers

Plum 360 functions independent of head height. And the direct connection helps to reduce the risk of infusing the primary medication at the secondary rate.

Believe in Your Data

With direct-connect secondary delivery, you can feel confident that the prescribed infusion is delivered and your patient infusion data accurately reflects the infusion.

Do Two Things at Once

Simultaneously deliver two compatible medications at independent rates—through a single line—something only ICU Medical's Plum 360 infusion systems can do.

Optimize Compliance and Enhance Safety by Automatically Starting in the Drug Library

When programming your Plum 360 infusion system with ICU Medical MedNet™ software, you automatically start in the drug library. This helps to ensure that the hard and soft limits in the drug library are utilized, greatly improving compliance and enhancing medication safety for your patients.

Large drug library

The extensive drug library includes 2500 medications (medications used in multiple CCAs count as a single entry), 40 CCAs, and 400 medications per CCA, giving you the flexibility to tailor your drug library as needed.

Clinical use selection

Multiple limits, based on clinical usage, can be defined for a given medication, allowing further refinement of the infusion parameters.

Extensive dosing units

The Plum 360 helps you administer the medication orders the way it was written with 119 dosing units.

Sample of initial programming screens

Select Line (A)

Enter Alphanumeric Keys for Desired Drug

Select Drug

Choose Clinical Use

For further refinement, more specific limits can be implemented by selecting clinical uses (up to four per medication).

EHR Ready, Today and Tomorrow

When you and your electronic health record (EHR) partner are ready for integration, your Plum 360 infusion system with ICU Medical MedNet safety software is ready, too. Whether it's today, or any time after, ICU Medical's full IV-EHR interoperability lets you connect your Plum 360 system to the IV medication order and patient information from the EHR.

Enhance patient safety and clinician workflow

Bypass drug errors and manual steps by automatically populating your Plum 360 pumps with medication orders sent directly from your EHR medication administration workflow.

› Smart pump programming that extends the benefits of integration beyond the initial infusion set—up to include just about everything you do for infusion management—but in an integrated environment (new bag, rate change, titration, medications not in the drug library, and changes to the care area without needing to stop or restart the pump).

› Infusion documentation that captures pump settings, start and stop times, and titrations—including accurate documentation of secondary infusions.

› Alarm-forwarding capabilities to help improve alarm monitoring and responses.

Ready to work with you

Our IV-EHR solution is compatible with 67% of the EHR market with continuous development underway to further extend our reach.[1]

Real results from clinical sites*

› Reduced manual steps from 17 to 7[2]

› 32% reduction in monthly IV heparin errors reported from telemetry and med-surg care areas[3]

› Reduced time to document a code blue from 120 to 5 minutes[2]

* Results from live IV Clinical Integration sites.
  Pump type may vary. Results may vary by facility.

Reduce Manual Steps

1 Scan the Patient

2 Scan the Medication

3 Scan the Pump Channel

4 Verify Settings & Start Infusion

5 Complete Documentation

Featuring Built-in Safety and Efficiency

The Plum 360 was designed with safety and efficiency in mind. In addition to air management that doesn't require disconnecting from the patient, a secondary line that connects directly to the cassette, and proven full IV-EHR interoperability, Plum 360 has a number of innovative features designed to help you enhance patient safety and increase clinical efficiency, including:

> › Bolus delivery capability to facilitate rapid infusion to magnify therapeutic response

> › Integrated free-flow protection built into PlumSet cassette technology

> › Automated concurrent and piggyback delivery

> › Proximal tubing guides to help clearly identify and organize secondary lines

> › Distal occlusion auto restart
>   - Clears alarm and automatically restarts the pump if a distal occlusion has been quickly resolved

> › Enhanced cybersecurity that is FIPS 140-2 validated

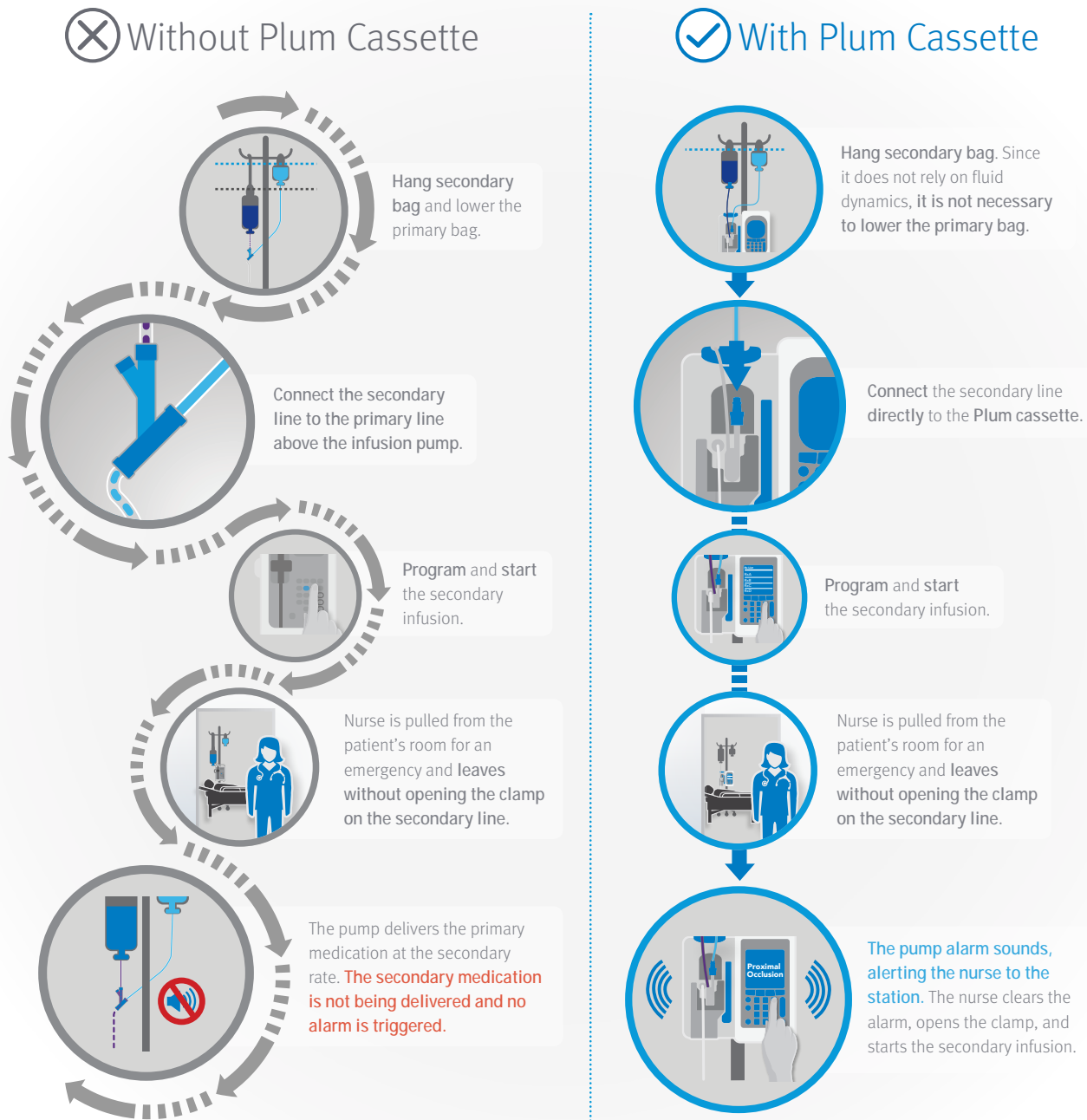# Our Training and Support Helps Nurture Your Success

With ICU Medical, you have a partner with the expertise of more than 500,000 pumps installed worldwide and the dedicated resources to help ensure your implementation is a success and you are performing at your optimum. Some of the many ways we can help you succeed are through:

> › Operational expertise
>   Program managers and information systems specialists help assemble your implementation plan, assess the environment for wireless connectivity, configure devices, and optimize your drug library.

> › Extensive support
>   An interdisciplinary team of pharmacists, nurses, and IT professionals help train your staff and provide service and support for the system.

> › Ongoing innovation
>   A commitment to investing in the Plum 360 system so that, as your needs grow and change, we adapt to meet them, protecting your investment over the long term.

Straight Talk: How a Direct Connection Helps Streamline Secondary Delivery

A direct connection from the secondary line to cassette reduces risk and increases efficiency

Take a look at the infusion scenario below, both with and without the Plum cassette, to find out.

✕ Without Plum Cassette

Hang secondary bag and lower the primary bag.

Connect the secondary line to the primary line above the infusion pump.

Program and **start** the secondary infusion.

Nurse is pulled from the patient's room for an emergency and **leaves without opening the clamp on the secondary line.**

The pump delivers the primary medication at the secondary rate. The secondary medication is not being delivered and no alarm is triggered.

✓ With Plum Cassette

Hang secondary bag. Since it does not rely on fluid dynamics, **it is not necessary to lower the primary bag.**

Connect the secondary line **directly** to the **Plum** cassette.

Program and **start** the secondary infusion.

Nurse is pulled from the patient's room for an emergency and **leaves without opening the clamp on the secondary line.**

The pump alarm sounds, alerting the nurse to the station. The nurse clears the alarm, opens the clamp, and starts the secondary infusion.

Choose the Plum 360 infusion system—your direct connection to clinical excellence.

Your Mission is Clinical Excellence.
The Plum 360 is Your Direct Connection.

For more information, visit www.icumed.com or call (877) 946-7747 to speak to a sales representative.

1. Vaidya A, Epic, Cerner hold 50% of hospital EHR market share: 8 things to know [web page]. Created August 2, 2017. Available at http://www.beckershospitalreview.com/healthcare-information-technology/epic-cerner-hold-50-of-hospital-ehr-market-share-8-things-to-know.html. Accessed August 3, 2017.
2. Prusch AE, Suess TM, Paoletti RD, et al. Integrating technology to improve medication administration. Am J Health Syst Pharm. 2011;68(9):835-842.
3. Cerner Corporation. Closing the loop in IV medication administration [white paper]. Kansas City, MO: Cerner Corporation; 2011.

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