Baxter

Baxter Healthcare:

Medication Preparation and Delivery

At the intersection of saving and sustaining lives.

WORKING TOGETHER
for Better Patient Care

Caring for patients is complex. That's why Baxter has the **MOST DIVERSE and MOST COMPREHENSIVE portfolio of products** to enable clinicians to provide their best care to patients.

Because it is essential to continually provide these products and medications to patients, Baxter has developed a **ROBUST manufacturing network to ensure CONTINUITY OF SUPPLY** and to help give clinicians peace of mind that they have the product they need when they need it.

For almost **90 years**, Baxter has been the **leader in medication delivery**. We take pride in our ability to maximize the **QUALITY**, **SAFETY**, and **EASE OF USE** of our products and medications, while minimizing costs, all in pursuit of helping you achieve the best outcomes for your patients.

IV SOLUTIONS

Every day,

OVER

220,000

PATIENTS ACROSS THE U.S.

receive **lifesaving** or **life-sustaining** IV infusions from Baxter

As a leader in IV fluids, Baxter understands the impact and importance of consistent, sustainable supply to our customers and patients. We have made significant investments to strengthen our ability to manufacture and supply IV solutions to the marketplace without interruption.

Examples of our investments in manufacturing, infrastructure, and expansion of our global manufacturing network:

- ✓ Increased U.S. manufacturing facilities
- ✓ Established new regional manufacturing model to increase service levels for products in the U.S. market
- ✓ Adding new lines to manufacture greater quantities of LVPs
- ✓ Implemented regional and global diversification, creating manufacturing redundancies that will help mitigate localized supply disruptions in the future.

BAXTER'S PORTFOLIO OF **PARENTERAL SOLUTIONS**

Baxter provides the broadest portfolio of IV solutions and irrigation products, small volume parenteral intravenous premix medications, and nutrition solutions (over 200 active codes).

- ✓ 0.9% Sodium Chloride Injection, USP
  - VIAFLEX Container
  - VIAFLO Container (non-PVC, non-DEHP)
- ✓ 5% Dextrose Injection, USP
  - VIAFLEX Container
  - VIAFLO Container (non-PVC, non-DEHP)
- ✓ Lactated Ringer's Injection, USP
- ✓ Plasma-Lyte A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP)
- ✓ Irrigation Solutions in Bags & Pour Bottles

EQUILIBRIA Fluid Optimization

IV fluid administration is commonly prescribed in patient care.

However, IV fluid therapy is often:

✓ Inconsistent ✓ Not prioritized ✓ Prescribed incorrectly

Optimize fluid management. Baxter's portfolio includes Lactated Ringer's Injection, USP, and Plasma-Lyte A Injection pH 7.4 (Multiple Electrolytes Injection, Type 1, USP).

SPECTRUM IQ INFUSION PUMP

Spectrum IQ Infusion System revolutionizes the traditional idea of an integrated smart pump. Building on the Spectrum platform's industry-leading drug library compliance and ease of use, **Spectrum IQ** Infusion System now fully integrates with your EMR, adding another layer of safety to your infusion and providing immediate and measurable results to health systems and the patients they serve.

Drug library compliance of

~97% WITHIN 1 MONTH OF IMPLEMENTATION.[2]

The **Spectrum** platform revolutionizes smart pump technology

Spectrum IQ. Simply Smarter.

On-Screen Barcode

Not just a convenience, but a key safety feature, ensuring the barcode is only visible when the nurse is ready to associate the pump to the EMR.

Titration Error Prevention Safety Feature

Provides additional protection for patients during high-risk infusions

Industry-Leading Compliance

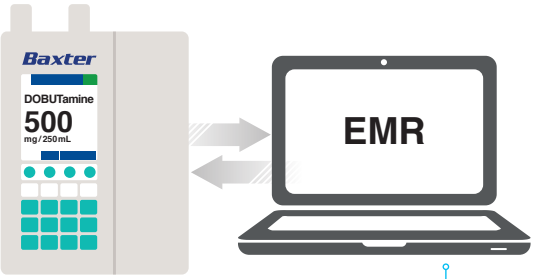
Protect more infusions with a ~97% drug library compliance, achieved within one month of implementation

Ease of Use

On-screen guidance makes programming intuitive and user-friendly, allowing clinicians to operate the system with ease.

Line Check Notification

On-demand visual indicator on the pump reduces the risk of channel confusion when managing multiple IV infusions.



EMR Integration

Connect our system to your EMR, for Auto-Programming, Auto-Documentation, and Alarm Routing, so you can connect with your patient.

Comprehensive Workflows

Get the most out of your infusion pump and EMR, with the broadest range of auto-programming workflows and feature sets.

- ✓ Primary infusions
- ✓ Secondary infusions
- ✓ Order updates
- ✓ And much more

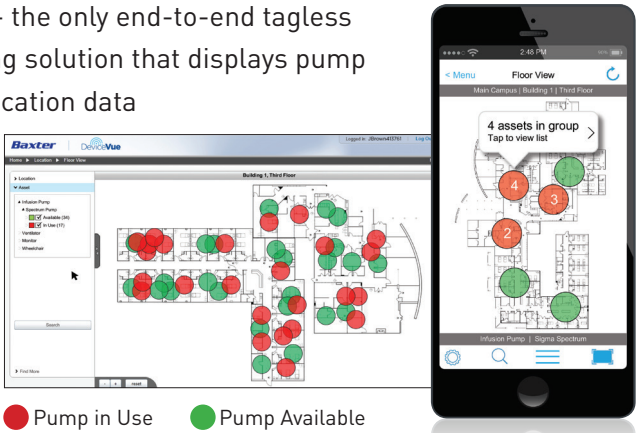
Spectrum IQ Infusion System advances the medication administration process with:

Dose Preparation:

- **DoseEdge Pharmacy Workflow Manager** — promotes patient safety by automating the process of routing, preparing, inspecting, and tracking IV and oral liquid doses, as well as reporting on practices

Device Preparation:

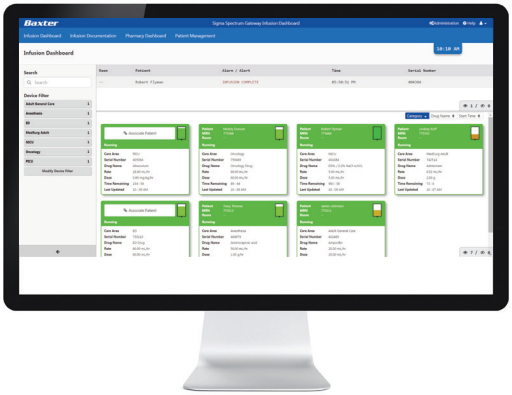
- **Single Set Technology** — a single gravity- and IV pump-compatible set travels with patients from one clinical care area to the next with fewer set changes
- **DeviceVue** — the only end-to-end tagless asset tracking solution that displays pump status and location data



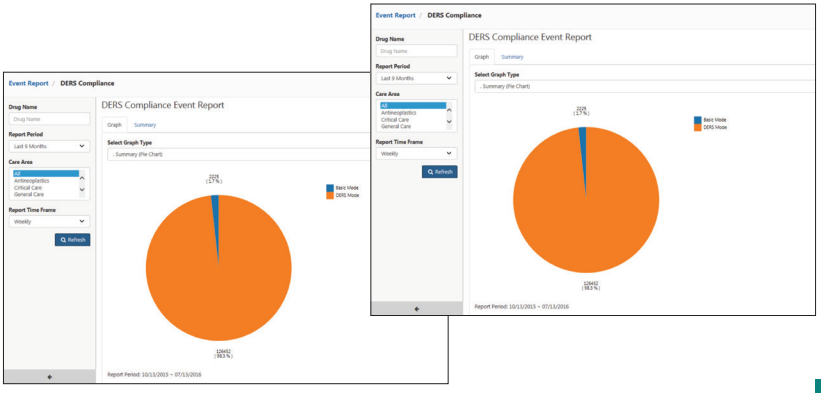
Pump in Use Pump Available

Administration and Beyond:

- **Infusion Dashboard** — providing greater visibility into all infusions from a centralized screen



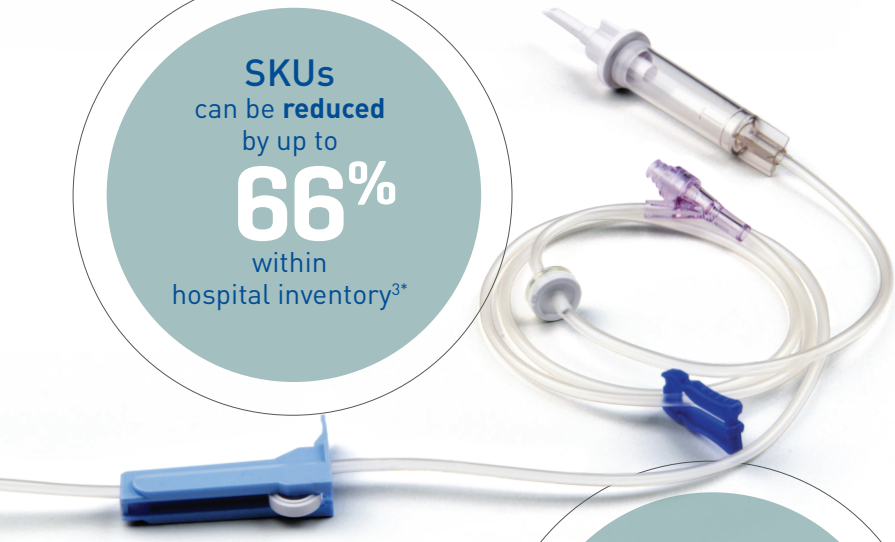
- **Comprehensive Infusion Analytics** — providing visibility into practice to help promote patient safety



- **Charge Capture** — helping to optimize outpatient IV infusion reimbursement

SINGLE SET TECHNOLOGY

Every setup and change of IV tubing sets carries the risk of touch contamination.



SKUs
can be **reduced**
by up to
66%
within
hospital inventory[3*]

IV Tubing Usage
can be **reduced** as much as
30%
with utilization of
single set technology[4*]

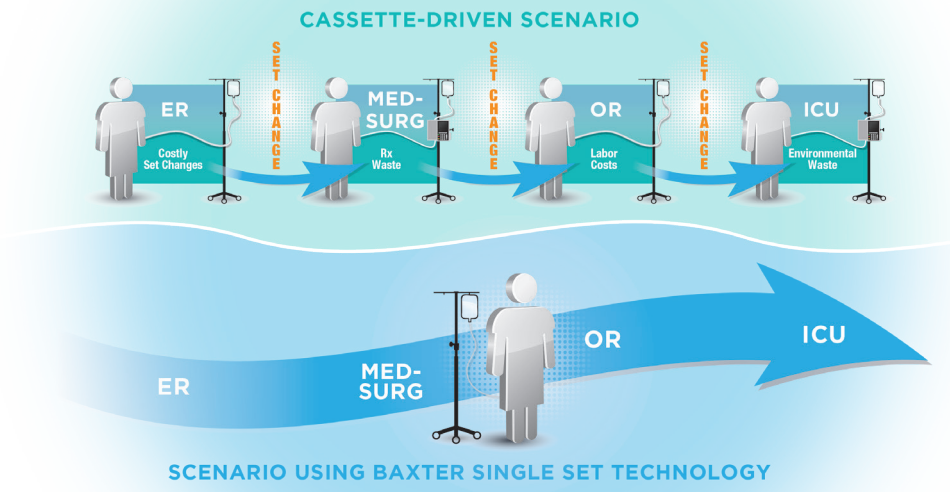
MINIMIZE

- ✓ Risk of Touch Contamination
- ✓ Waste
- ✓ IV Set Expenditures

*Internal data on file. Data provided by three facilities. Baxter makes no guarantee of cost savings.

Single Set Technology
can **yield** up to
53%
cost savings
in IV Tubing Sets[4*]

How does Baxter's Single Set Technology work?



Baxter's Single set Technology reduces teardowns by offering a single IV Set for both pump and gravity applications, allowing clinicians to easily switch from gravity and pump applications without changing sets, reducing the potential for touch contamination.

ONE-LINK NEEDLE-FREE IV CONNECTOR

The **One-Link** Connector's unique dual-seal design provides an extra layer of protection that creates a barrier against microbial contamination.

~33% of **central venous catheters (CVCs)** experience occlusions.[5]

58% of the **CVC occlusions** are caused by thrombosis in the catheter.[6]

26% of **thrombotic catheter occlusions** were shown to be reduced in a study conducted with **One-Link**.[7]

Ease of Use

- Nearly 50% reduction in attachment forces[8]*

Neutral Displacement Technology

- Doesn't require specific clamping sequence
- Potential reduction in thrombotic catheter occlusion

Dual-Seal Design

- One of the only neutral valves on the market with an additional layer of protection against microbial ingress

0.08ml Priming Volume

- Allows for flexibility with all patient populations

Clear Housing / Straight Fluid Path

- Easy visualization of potential residual blood or fluid
- Promotes thorough flushing

325psi – Pressure Rating (10 mL/sec†)

- Select **One-Link** products provide compatibility with power injections, which prevents connector and tubing failure and helps minimize change-outs[9]

OTHER NEEDLE-FREE IV CONNECTORS

Clearlink:

- Clear: Allows easy visualization of blood
- Flat septum: Easy to clean
- Dual seal septum: Helps prevent microbial ingress[10]

Interlink:

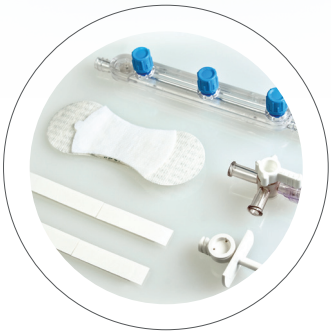
- The first needle-free access device is still the split-septum device more clinicians use. The INTERLINK IV access system has been the market leader in the U.S. split-septum market for decades.

* Overall % reduction in connection = 48%

† Prior to power injection, ensure all parts of IV system are compatible. Replace if a pressure over 325 psi is applied to the connector.

ACCESS PORTFOLIO

A comprehensive portfolio of sets and access devices used to administer IV fluids and drugs for patients.



WHEN JUST ANY SYSTEM WON'T DO

You need a set you can trust.

From primary administration sets to sets for specialized applications, Baxter sets meet a variety of clinical needs.

Primary Infusion Sets

- Both gravity and IV pump compatible

Blood Sets

- Used in the infusion of whole blood or blood components by gravity or with **Sigma Spectrum** Infusion System

Buretrol Sets

- Contains a vented chamber that limits the amount of solution to be administered

Extension Sets

- Used to increase the length of a primary infusion set

Secondary Sets

- Enables secondary infusion through a primary set

Specialty Sets

- Used in the administration of specialty drugs (e.g., Paclitaxel and Nitroglycerin), for epidural administrations by gravity or with **Spectrum IQ** Infusion System

PREMIX PORTFOLIO

Ready-to-use premixes offer standardized drug concentrations to help minimize medication errors related to compounding. Each container is bar-coded for bedside scanning to help verify the right drug and the right dose for the right patient.

Safety-Focused

Preventable Adverse Drug Events

An estimated 1 in 400 inpatient IV drug administrations results in a preventable Adverse Drug Event, costing the U.S. healthcare system $21 billion annually.[11]

Hospital-Acquired Bloodstream Infections

In 2014 the Centers for Disease Control and Prevention observed 17,758 central line-associated bloodstream infections (CLABSIs) reported in U.S. hospitals.[12,13]

Compounding Errors

Intravenous medication preparation is a complex process, with 30% of hospitals experiencing a patient event involving a compounding error over a five-year period.[14]

An estimated

1 IN 400 INPATIENT IV DRUG ADMINISTRATIONS

results in a **preventable** Adverse Drug Event

COSTING THE U.S. HEALTHCARE SYSTEM $21 billion annually[11]

Comprehensive Premix Portfolio

Baxter's premixes offer standardized drug concentrations to help meet your hospital's needs.

Efficiency

Medication Waste

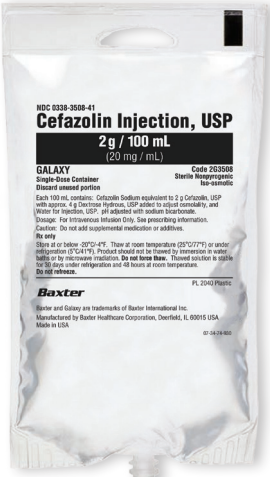
A 2016 market survey of hospital pharmacists revealed that, on average, 5-8% of manually compounded IV medication doses are wasted.[15]

Pharmacy and Nurse labor

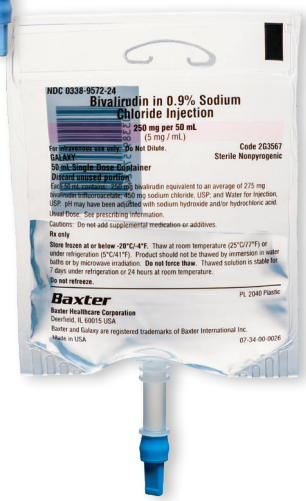
Although pharmacies waste a significant quantity of drugs, many do not have the ability to accurately quantify the potential waste and labor costs associated with admixing IV medications.[14]

FROZEN PREMIX

Our proprietary premixes bring you and your pharmacy something no other company can: a manufacturer-prepared, ready-to-use premix system.



Once thawed, Frozen Premix Medications are processed like any other refrigerated IV medication. These premixes from Baxter can help increase efficiencies in your pharmacy by requiring fewer preparation and administration steps.



Premixes are safety focused. Experts agree.

The Institute for Safe Medication Practices' (ISMP) guidelines on compounding suggest that, whenever possible, commercially-prepared, premix products should be used versus manually compounding sterile products.

- ✓ **Bivalirudin** in 0.9% Sodium Chloride Injection
- ✓ **Cefazolin** Injection, USP
- ✓ **Cefepime** Injection
- ✓ **Ceftriaxone** Injection, USP (in Dextrose)
- ✓ **Nafcillin** Injection, USP
- ✓ **Oxacillin** Injection, USP
- ✓ **Penicillin G Potassium** Injection, USP
- ✓ **Vancomycin** Injection, USP in 5% Dextrose
- ✓ **Vancomycin** Injection, USP in 0.9% Sodium Chloride

Visit www.choosepremix.com for a complete listing of the drugs/molecules available in premixed IV.

LIQUID PREMIX

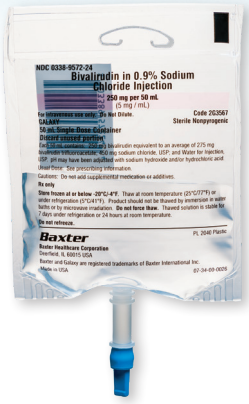
Baxter offers premixed drugs in flexible IV containers to support IV drug therapy without the need for admixing medications. Baxter's cGMP, manufacturer-prepared premixes are convenient, and ready when you need them.

- ✓ **BREVIBLOC** Premixed Injection
- ✓ **BREVIBLOC** Double Strength Premixed Injection
- ✓ **Dexmedetomidine** Hydrochloride in 0.9% Sodium Chloride Injection
- ✓ **DOBUTamine** Hydrochloride in 5% Dextrose Injection
- ✓ **Famotidine** Injection
- ✓ **Fluconazole** in Sodium Chloride Injection, USP

- ✓ **Heparin** Sodium in 0.9% Sodium Chloride Injection
- ✓ **Lidocaine** Hydrochloride in 5% Dextrose Injection, USP
- ✓ **NEXTERONE** (amiodarone HCl) Premixed Injection
- ✓ **Nitroglycerin** in 5% Dextrose Injection

Visit www.choosepremix.com for a complete listing of the drugs/molecules available in premixed IV.

OUR LATEST PREMIXES



Bivalirudin in 0.9% Sodium Chloride Injection

- The **First and Only** Premix Bivalirudin in 0.9% Sodium Chloride Injection

Eptifibatide Injection

- The **First and Only** Eptifibatide Injection premix formulation in a flexible container
- Flexible container fits into your storage and distribution system
- No vented IV sets required

Dexmedetomidine Hydrochloride in 0.9% Sodium Chloride Injection in a flexible container

- The **First and Only** Dexmedetomidine premix formulation in 0.9% sodium chloride in a flexible container
- Does not require vented IV sets
- Requires less space than glass bottles
- Stackable storage solution

MINI-BAG PLUS
CONTAINER SYSTEM

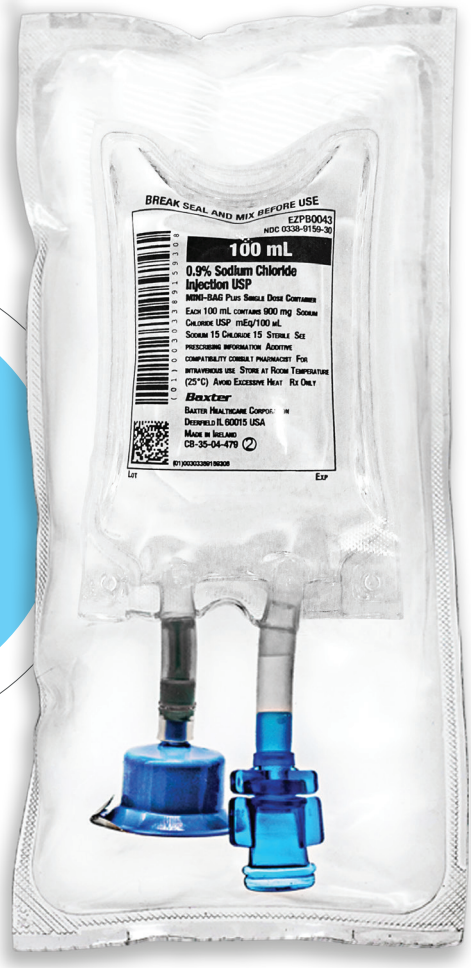
More options. More pluses.

For your pharmacy + point-of-care needs.

MINI-**BAG PLUS**
CONTAINERS

#1

reconstitution drug delivery system sold in the United States

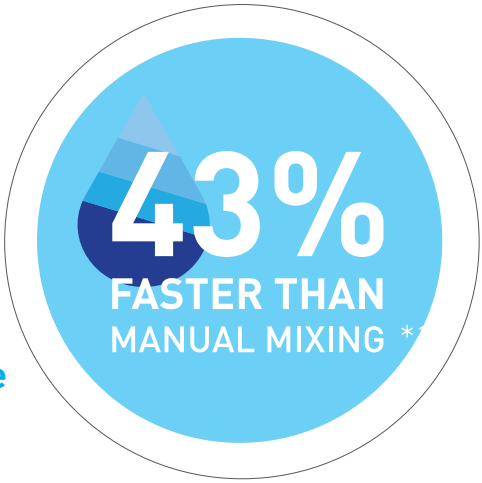


+ Convenience
+ Compatibility
+ Commitment

Available in Single and Quad Pack Containers

Discover the broad choices and many pluses of Baxter's **Mini-Bag Plus** product line. We've built upon this proven technology, and infused it with the latest innovation, to bring you an expanded range of integrated reconstitution systems, with options specially designed for pharmacy and point-of-care.

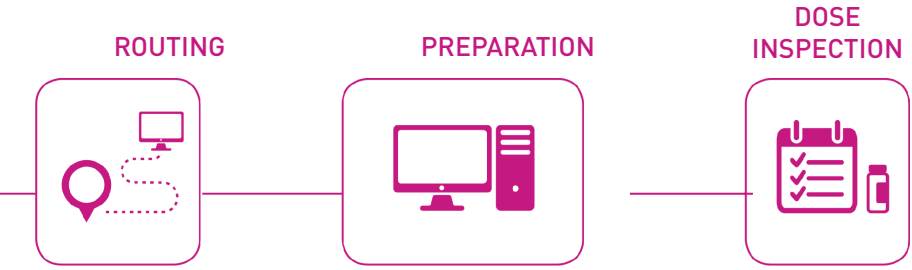
Compatible with powder and liquid (up to 10 mL) single-dose vials with 20 mm closure



*In a simulated use study, 34 nurses and 26 pharmacy technicians/pharmacists evaluated MINI-BAG Plus Containers versus competitive reconstitution products.

DOSEEDGE PHARMACY WORKFLOW MANAGER

DoseEdge System is an innovative software solution that seamlessly integrates with your pharmacy information system (PIS) and automates the process of routing, inspecting, tracking, and reporting on intravenous (IV) or oral liquid medication doses.



Optimize Pharmacy Workflow with the **DoseEdge** System

- Alerts technicians to potential compounding errors before they happen
- Enables remote pharmacist verification from any web-enabled device on the hospital's network
- Documents and stores key preparation details, including dose calculations, lot numbers and expiration dates
- Provides continuous visibility to the status and location of doses

Every

25 SECONDS

the **DoseEdge** System intercepts a potential medication error

Over

140 MILLION DOSES

doses prepared since 2008[17]

TRACKING

REPORTING

CLINIMIX

A Premix with Flexible Options.

Clinimix and **Clinimix E** Injections. Manufacturer-prepared PN solution available with and without electrolytes in a lipid-compatible container.

More than

6,341 U.S. HEALTH FACILITIES

have used **CLINIMIX CLINIMIX E INJECTIONS** since 2016

Since 2001, over

18.4 MILLION BAGS manufactured and sold in the U.S.

2B7709 NDC 0338-1099-04
CLINIMIX
5/15
SULFITE-FREE
(5% Amino Acids in 15% Dextrose) Injection
CENTRAL LINE INFUSION ONLY
1000 mL INJECTION PORT CHAMBER 30% Dextrose Injection USP
1000 mL OUTLET PORT CHAMBER 10% Amino Acid Injection
Rx Only
ACTIVATE SEAL AND MIX THOROUGHLY BEFORE USE
SEE PRESCRIBING INFORMATION FOR INSTRUCTIONS ON ACTIVATION
AFTER MIXING THE PRODUCT REPRESENTS 2000 mL
REFRIGERATED STORAGE IS LIMITED TO 8 DAYS
A SLIGHT YELLOW COLOR DOES NOT ALTER THE QUALITY AND EFFICACY OF THIS PRODUCT
ASK PHARMACIST ABOUT ADDITIVE COMPATIBILITY
LOT P376723 EXP APR20
CONTENTS OF EACH 100 mL OF THE ADMIXED INJECTION
DEXTROSE HYDROUS USP 15 g
ESSENTIAL AMINO ACIDS
LEUCINE 365 mg
ISOLEUCINE 300 mg
VALINE 290 mg
LYSINE (ADDED AS THE HYDROCHLORIDE SALT) 290 mg
PHENYLALANINE 290 mg
HISTIDINE 240 mg
THREONINE 210 mg
METHIONINE 200 mg
TRYPTOPHAN 90 mg
NONESSENTIAL AMINO ACIDS
ALANINE 1035 mg
ARGININE 975 mg
GLYCINE 575 mg
PROLINE 940 mg
SERINE 950 mg
TYROSINE 20 mg
mEq/L
ACETATE 42
CHLORIDE 20
BALANCED BY IONS FROM AMINO ACIDS
pH ADJUSTED WITH GLACIAL ACETIC ACID
STERILE
SINGLE DOSE CONTAINER
Baxter
BAXTER HEALTHCARE CORPORATION
DEERFIELD, IL 60015 USA
MADE IN USA

2B7721 NDC 0338-1123-04
CLINIMIX E
with ELECTROLYTES 5/15
SULFITE-FREE
(5% Amino Acids with Electrolytes in 15% Dextrose with Calcium) Injection
CENTRAL LINE INFUSION ONLY
1000 mL INJECTION PORT CHAMBER 30% Dextrose Injection with Calcium
1000 mL OUTLET PORT CHAMBER 10% Amino Acid Injection
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HISTIDINE 240 mg
THREONINE 210 mg
METHIONINE 200 mg
TRYPTOPHAN 90 mg
NONESSENTIAL AMINO ACIDS
ALANINE 1035 mg
ARGININE 975 mg
GLYCINE 575 mg
PROLINE 940 mg
SERINE 950 mg
TYROSINE 20 mg
ELECTROLYTES
SODIUM ACETATE TRIHYDRATE USP 340 mg
DIBASIC POTASSIUM PHOSPHATE USP 361 mg
MAGNESIUM CHLORIDE USP 38 mg
MAGNESIUM CHLORIDE USP 61 mg
CALCIUM GLUCONATE DIHYDRATE USP 33 mg
mEq/L
SODIUM 35
POTASSIUM 30
MAGNESIUM 5
CALCIUM 4.5 (2.2 mmol/L)
ACETATE 90
CHLORIDE 30
PHOSPHATE 36 (18 mmol/L)
BALANCED BY IONS FROM AMINO ACIDS
pH ADJUSTED WITH GLACIAL ACETIC ACID
STERILE
SINGLE DOSE CONTAINER
Baxter
BAXTER HEALTHCARE CORPORATION
DEERFIELD, IL 60015 USA
MADE IN USA

NUTRITION SOLUTIONS & COMPOUNDING

Optimize Your Formulary with Manufacturer-Prepared Solutions and Premix.

In the same way nutrients are an essential part of a patient's TPN therapy, a pharmacy's parenteral nutrition portfolio isn't complete without a variety of nutrients for both adult and pediatric needs. Additionally, having a full selection supports your pharmacy's efficiency and safety goals.

Giving you

MORE PARENTERAL NUTRITION options

to help **facilitate** meeting your **patient's critical needs** and **optimize** your **PN** workload

Multivitamins for Infusion

- Multiple Vitamins for Infusion in both adult and pediatric presentations or formulations, containing low aluminum and zero preservatives. Comes in single-dose and pharmacy bulk packages.

Amino Acid Injections

- Broad range of sulfite-free Amino Acid Injections from 10% pediatric and 10%, 15% and 20% adult solution concentrations in flexible containers. The only 20% concentration option available.

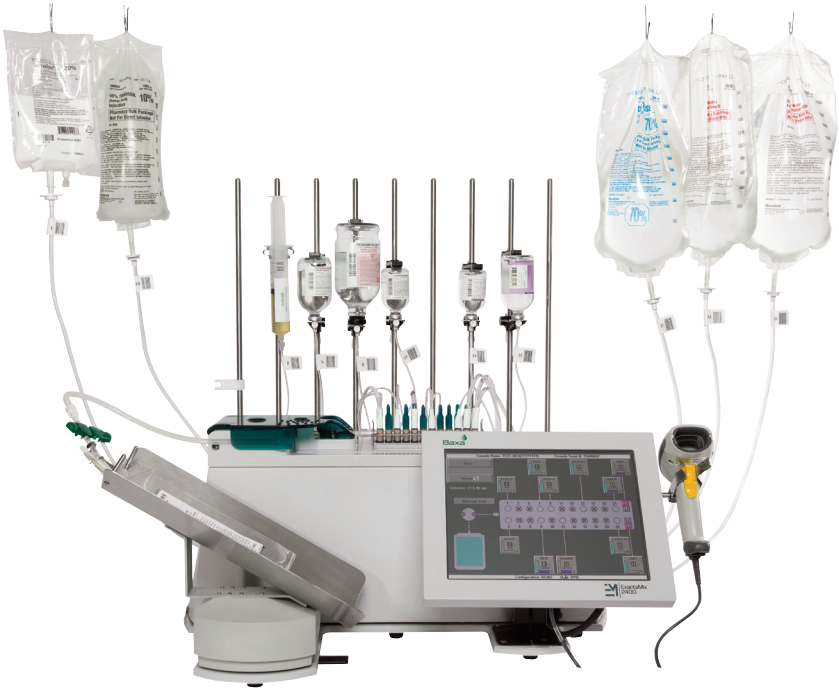
IV Fat Emulsion

- IV Fat Emulsion available in a variety of concentrations and volumes.

EXACTAMIX

Optimize Compounding with a Proven System.

The **ExactaMix** Compounder is an automated pumping system that compounds multiple sterile ingredients into a finished solution in a single patient bag.



Used in over
1,000 HOSPITAL PHARMACIES and COMPOUNDING CENTERS

Baxter has been innovating parenteral nutrition (PN) compounding for over 35 years.

BROAD PORTFOLIO

- Largest PN offering in the marketplace: hardware, software, disposables, fluids, education, training, and service

VALIDATED SYSTEM

- Over 28 quality testing steps conducted for every **ExactaMix** manufactured
- Upgrade in operating system to Windows 10 IoT
- Supports 2D barcode verification of source ingredient*

OPERATIONAL INTEGRATION

- A validated compounder that can interface with pharmacy information systems to receive TPN orders
- Seamlessly integrates with **Abacus** Calculation Software and **DoseEdge** TPN Pharmacy Workflow Manager

PROVEN EXPERTISE

- Proven PN performance, with over 100,000,000 bags compounded

You can be confident in choosing Baxter, your partner with a long history of innovation: for products such as the original pharmacy compounder, universal ingredients, Y-sites, IV bags, solutions, and more.

* Products labeled with GS-1 DataMatrix two-dimensional barcodes