

IV Compatibility Education

2024 Releases



Micromedex® IV Compatibility

- *Micromedex IV Compatibility is expertly designed to assist healthcare professionals in making quick, accurate decisions at the point of care. This ensures the safe administration of intravenous medications, backed by the trusted and reliable content of Micromedex.*
- *Make more informed, timely decisions with content powered by Trissel's™ 2 Clinical Pharmaceutics Database (Parenteral Compatibility), continuously updated by our robust editorial processes.*
- *Micromedex IV Compatibility is the most frequently used tool after drug information within the Micromedex Portfolio.*
- *Micromedex IV Compatibility has undergone significant changes with improved features and enhanced results. Product releases began in March of 2024 and will continue throughout the year.*



Micromedex IV Compatibility Enhancements Summary

March 2024- Released

- 2 Views for IV Compatibility – Chart View (New!) & List View
 - Updated Icons & Filters
 - Variable results – expanded
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June 2024- Released

- New! Most Searched Drug Pairs
 - Faster time to results (2-3 seconds)
 - IV Compatibility Usage Statistics
 - Improved Printing Experience
-

August 2024- Released

- Pre-set filters for Drug-Drug & Drug-Solution tabs, set for Y-site administration method and all compatibility types
 - Drug Monograph IV Compatibility (Single) workflow modified to open the IV Compatibility tool and auto populate with drug name
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September 2024

- Responsive Web Design for IV compatibility to support multiple screen sizes ranging from desktop screens to tablets to mobile displays

Original or NEW Chart View

End users now have two options for visualizing IV Compatibility information: Chart view or List view.

Chart view is the new default view for checking the compatibility of one or more intravenous (IV) drugs at a glance. This view can be easily printed to keep at the patient's bedside or med room.

Prefer the original view?
Toggle to the List view.

IV Compatibility Results - Chart view

Preparation and Storage

Drugs:

- Fluconazole
- Heparin Sodium
- Vancomycin Hydrochloride
- ZOSYN

Filter results

Administrative Method

- Y-Site
- Admixture
- Syringe

Compatibility

- Compatible
- Incompatible
- Uncertain
- Not Tested

Drugs

Drug-Drug Drug-Solution TPN

Drug	Fluconazole	Heparin Sodium	Piperacillin Sodium/Tazobactam Sodium	Vancomycin Hydrochloride
Fluconazole		Y-Site 6 Results	Y-Site 1 Result	Y-Site 6 Results
Heparin Sodium	Y-Site 6 Results		Y-Site 2 Results	Y-Site 2 Results 8 Results
Piperacillin Sodium/Tazobactam Sodium	Y-Site 1 Result	Y-Site 2 Results		Y-Site 14 Results 8 Results 1 Result
Vancomycin Hydrochloride	Y-Site 6 Results	Y-Site 2 Results 8 Results	Y-Site 14 Results 8 Results 1 Result	

IV Compatibility Results - List view

Variable Results ⓘ

Preparation and Storage

Drugs:

- Fluconazole
- Heparin Sodium
- Piperacillin Sodium/Tazobactam Sodium
- Vancomycin

Filter results

Administrative Method

- Y-Site
- Admixture
- Syringe

Compatibility

- Compatible
- Incompatible
- Uncertain
- Not Tested

Drugs

Drug-Drug Drug-Solution TPN

Drug	Y-Site
Fluconazole - Heparin Sodium	6 Results

Page View: Chart List

Feedback

Visual Clarity- Icons & Filters

Micromedex IV Compatibility icons have been redesigned to be accessible for everyone and allow more straightforward results interpretation.



Compatible – Evidence determined these items are compatible



Incompatible – Evidence determined these items are incompatible



Uncertain – Evidence was inconclusive and compatibility was not determined



No Data – No compatibility data identified



Variable – Evidence shows the compatibility of the pair is variable

Micromedex IV Compatibility results are preset for Drug-Drug & Drug-Solution with the **Administration Method** set to Y-site and for all **Compatibility results**. The filters were selected based on the highest volume of conditions for visualizing IV Compatibility.

IV Compatibility Results - Chart view

Preparation and Storage

Drugs:

- Piperacillin Sodium/Tazobactam Sodium
- Vancomycin Hydrochloride

Solutions:

- D5W
- Lactated Ringer's

Filter results

Administration Method

- Y-Site
- Admixture
- Syringe

Compatibility

- Compatible
- Incompatible
- Uncertain

Drug-Drug **Drug-Solution** TPN

Matching Solution(s) Results

IV Solution	Piperacillin Sodium/Tazobactam Sodium	Vancomycin Hydrochloride
D5W Dextrose 5% in water	Solution ✓ 9 Results	Solution ✓ 26 Results
Lactated Ringer's Injection	Solution ✓ 1 Result ✗ 2 Results Y-Site ✓ 2 Results ✗ 1 Result	Solution ✓ 3 Results Y-Site ✓ 5 Results

Relevant Common Solution(s) Results

IV Solution	Piperacillin Sodium/Tazobactam Sodium	Vancomycin Hydrochloride
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What does the Variable Icon indicate? What do I do when I see Variable Results?

The Variable icon alerts you that the compatibility of the drugs may vary depending on certain conditions. The icon is a reminder to verify the details before administering the drugs. In simpler terms:

What it means:

The results aren't straightforward. The compatibility can change based on factors like the concentration of the drugs, administration methods, how they are stored, or other parameters.

What to do:

When you see this icon, it's important to:

- *Double-check the details: Look into the specifics to ensure the drugs are safe to use together.*
- *Consult with the pharmacy for guidance.*

Variable Results Found ⓘ

Compatibility results vary for this combination of drugs. Validate details such as drug concentrations, administration methods (e.g., Y-site vs. admixture), storage, or other factors.

Vancomycin Hydrochloride

Y-Site

- ✓ 14 Results
- ✗ 8 Results
- ❓ 1 Result

IV Compatibility Results Detail

Drug-Drug Y-Site Test Results

⚠ Vancomycin Hydrochloride - cefTRIAxone sodium

Results: 10

^ Collapse All

✓ Study 1

Drug 1: **cefTRIAxone sodium**
10 mg/mL 'in' Dextrose 5% in Water
Roche Pharmaceuticals

Drug 2: **Vancomycin Hydrochloride**
2 mg/mL 'in' Dextrose 5% in Water
Abbott Laboratories

Status: ✓

Information: **Physical Compatibility:**
Physically compatible. No visible changes and no change in measured haze or particulates.

Storage:
Room temperature of 23 °C exposed to fluorescent light.

Test **Container:**
Parameters: Simulated Y-site administration using glass test tubes.

Study Period:
4 hours.

Method:
Visual observation and electronic measurement of haze and particulates.

Reference: 84728

New! Most Searched Drug Pairs

*Efficiency in workflow –
Save time by providing
quick access to frequently
searched drug pairs*

*Convenience – Simplifies
the process of checking IV
compatibility*

*Reliability – Informed
decisions powered by
Trissel's™ 2 Clinical
Pharmaceutics Database
and Micromedex Editorial
Processes*

Merative **Micromedex**[®] My Sub

Keyword search

Home | Drug Interactions | **IV Compatibility** | Drug ID | Drug Comparison | CareNotes | NeoFax[®] / Pediatrics | Tox & Drug Product Lookup | RED BOOK | Calculators

NEW! Chart View Results
Choose your IV Compatibility Results View - New Chart View or toggle to List View if preferred.

IV Compatibility

Add at least one drug and press View Compatibility

Drugs (2173)

Select Drug(s) to view Drug-Drug IV Compatibility ⓘ

Solutions (286) *optional

Select Solution(s) to view Drug-Solution IV Compatibility ⓘ

Clear All | View Compatibility

NOTE: IV Compatibility for Drug - Drug Compatibility is displayed in drug pairs

Popular Drug Pair Compatibility Searches

- [Magnesium Sulfate - Potassium Chloride](#) →
- [Vancomycin Hydrochloride - Piperacillin Sodium/Tazobactam Sodium \(Zosyn\)](#) →
- [Cefepime Hydrochloride - Vancomycin Hydrochloride](#) →
- [Piperacillin Sodium/Tazobactam Sodium \(Zosyn\) - Potassium Chloride](#) →
- [Cefepime Hydrochloride - metroNIDAZOLE](#) →
- [Azithromycin - ceFTRIAXone sodium](#) →
- [Cefepime hydrochloride - Potassium chloride](#) →
- [Heparin sodium - Magnesium sulfate](#) →
- [Calcium gluconate - Magnesium sulfate](#) →
- [Ceftriaxone sodium - Potassium chloride](#) →
- [Meropenem - Vancomycin hydrochloride](#) →
- [Potassium chloride - Vancomycin hydrochloride](#) →
- [Cefepime Hydrochloride - FLAGYL I.V. RTU](#) →
- [Magnesium sulfate - Piperacillin Sodium/Tazobactam Sodium \(Zosyn\)](#) →

Show less...

Seamless access to IV Compatibility across Micromedex

IV Compatibility (single) now opens within the IV Compatibility tool and auto-populates the drug name from the monograph.

Vancomycin Hydrochloride [Your search: Vanco]

Drug Classes: [Antibiotic](#) | [Anti-Infective Agent](#) | [All](#)

Routes: [Intravenous](#) | [Oral](#)

[Quick Answers](#) | [In-Depth Answers](#) | [All Results](#)

Dosing/Administration

- [Adult Dosing](#)
- [Pediatric Dosing](#)
- [FDA Uses](#)
- [Non-FDA Uses](#)
- [Dose Adjustments](#)
- [Administration](#)
- [Comparative Efficacy](#)
- [Place In Therapy](#)

Medication Safety

- [Contraindications](#)
- [Precautions](#)
- [Adverse Effects](#)
- [Black Box Warning](#)
- [REMS](#)
- [Drug Interactions \(single\)](#)
- [IV Compatibility \(single\)](#)**
- [Pregnancy & Lactation](#)

Dosing/Administration

Adult Dosing

See '[In-Depth Answers](#)' for detailed results.

Important Note

- This drug has one or more orphan drug designations, which may include approval or withdrawal of status: [Access citation for FDA Orphan Drug Information \[2\]](#).

Bacteremia associated with intravascular line

- Methicillin-resistant *Staphylococcus aureus*, ampicillin-resistant *Enterococcus faecalis/faecium*: 15 mg/kg IV every 12 hours (guideline dosing) [\[3\]](#)

Bacterial meningitis

- 30 to 45 mg
- MRSA-associated

Cirrhosis of liver

- 2 g/day IV

Clostridioides

- 125 mg oral

IV Compatibility

Add at least one drug and press View Compatibility

Vancomycin Hydrochloride

Vancomycin Hydrochloride

Select Solution(s) to view Drug-Solution IV Compatibility

[View Compatibility](#) → [Clear All](#)

Popular Drug Pair Compatibility Searches

- [Magnesium Sulfate - Potassium Chloride](#) →
- [Vancomycin Hydrochloride - Piperacillin Sodium/Tazobactam Sodium \(Zosyn\)](#) →
- [Cefepime Hydrochloride - Vancomycin Hydrochloride](#) →
- [Piperacillin Sodium/Tazobactam Sodium \(Zosyn\) - Potassium Chloride](#) →
- [Cefepime Hydrochloride - metroNIDAZOLE](#) →
- [Azithromycin - ceftRIAXone sodium](#) →

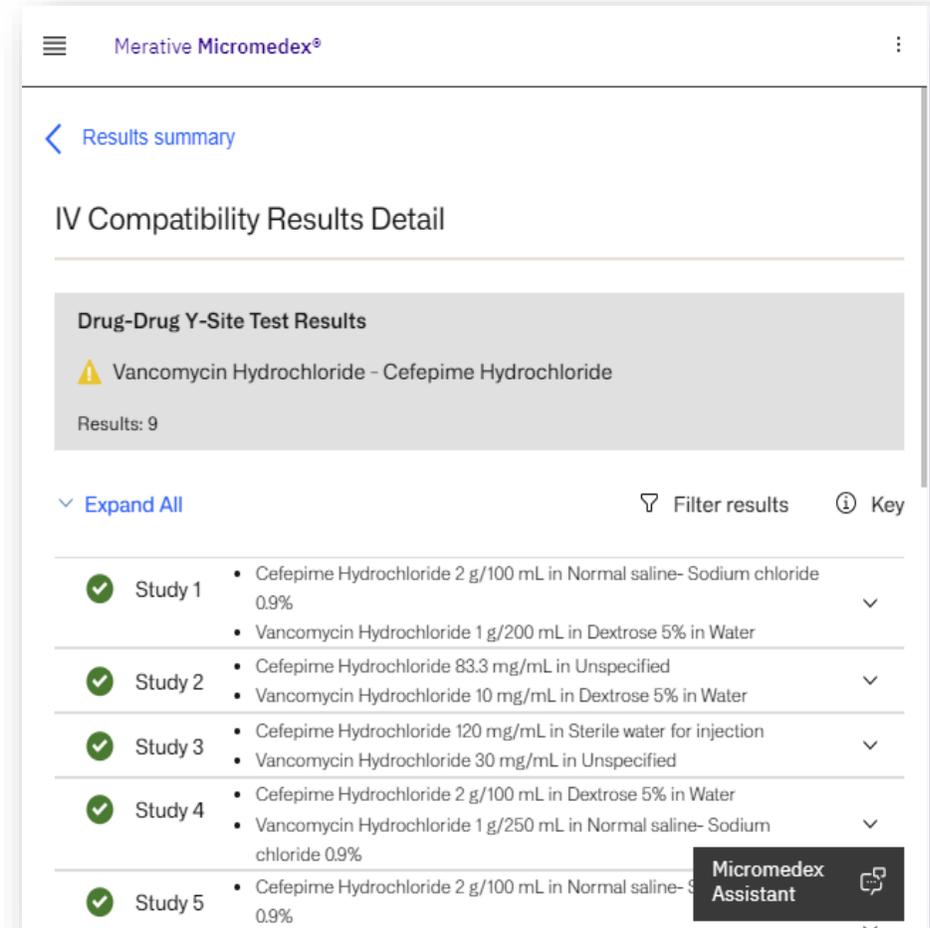
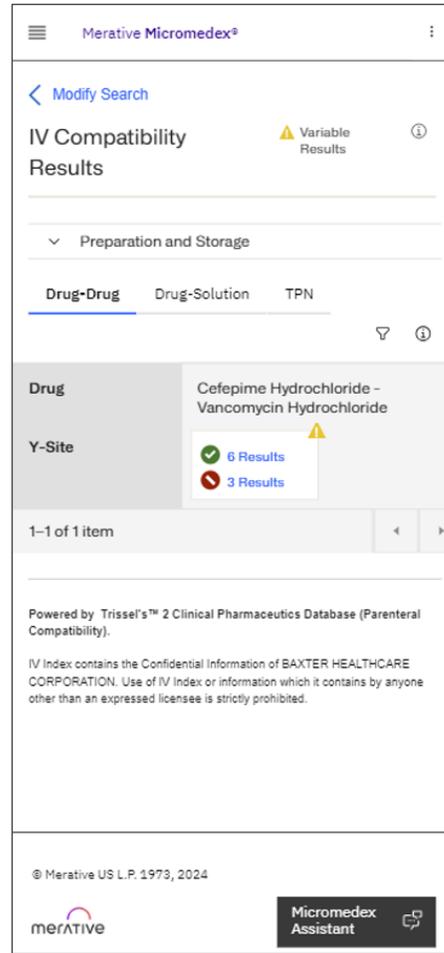
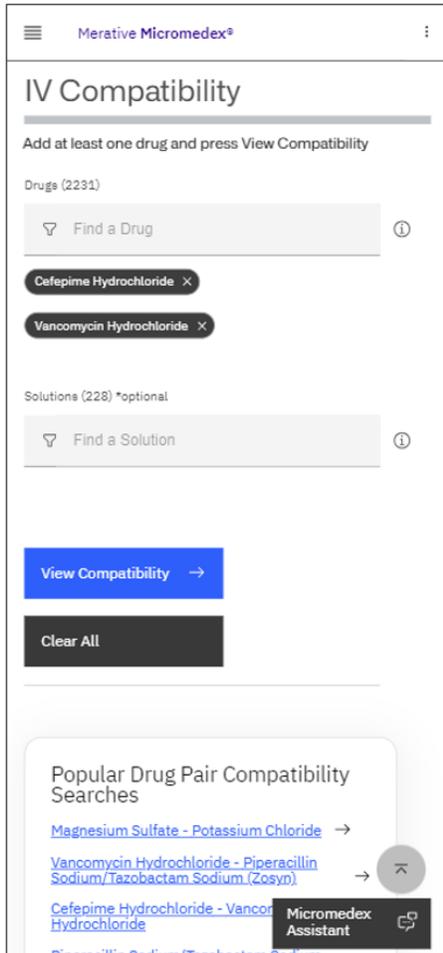
Show more...

NOTE: IV Compatibility for Drug - Drug Compatibility is displayed in drug pairs

Compatible with all screen sizes

Mobile & Tablet users – your visual experience will be second to none with responsive web design capabilities to support multiple screen sizes ranging from desktop screens to tablets to mobile displays.

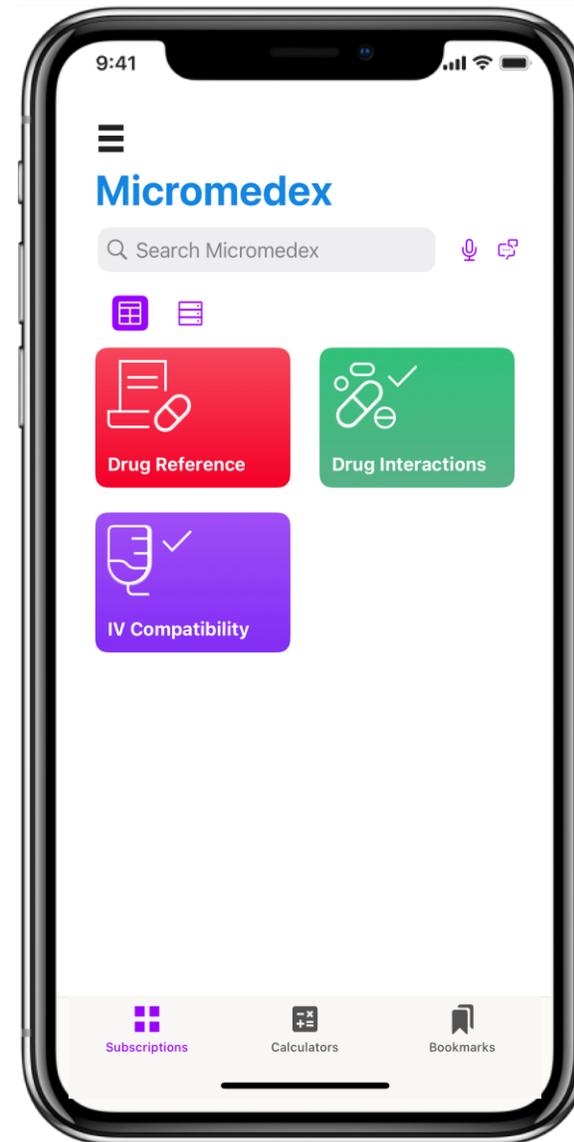
- ✓ List View, Default
- ✓ Popular Drug Pair Compatibility Searches Included
- ✓ IV Compatibility Results Details surfaced with Drug Name, Concentration, and Diluent to reduce clicks and readily support bedside decision-making.



Coming Soon: New Micromedex mobile app launch *Includes the New IV Compatibility Tool*



- *Drug Reference Summary Information*
- *IV Compatibility*
- *Drug Interactions*
- *Mobile Calculators*
- *Micromedex Assistant*



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