



Reviews/Testimonials

Handbook on Injectable Drugs, 16th Edition

“The gold standard reference for compatibility/stability of injectable drugs. A 'must have' reference for academia, drug information centers, hospitals, and long-term care facilities. “

Katie J. Suda, PharmD
Associate Professor
Director, Drug Information Center
University of Tennessee Health Science Center

“I have always utilized Trissels as the bible for IV compatibility information. I will always use it as my first reference I check.”

Edward Dix PharmD., RPh
Assistant Director of Pharmacy
Underwood-Memorial Hospital
Woodbury, NJ

“I am a preceptor for pharmacy students, so I describe it frequently. This one reference source provides the information needed to set up templates for pharmacy software systems, gives standard administration information that can be used when addressing this issue with nurses, provides compatibility, stability and storage data. It even lists pH in many cases, so I use the example of vancomycin's low pH to illustrate why peripheral IV access should not be used with this medication.

Ed Ciarniello, R.Ph.
IV Pharmacist
Skilled Care Pharmacy
Mason OH

This is one of the most concise books that is easy to use for reviewing administration of medications because they will list drip rate information (cc/hr) which does not often occur in other literature.

Dick Nerbun, R.Ph.
Pharmacy Director
Cumberland Memorial Hospital
Cumberland, WI

This reference is the IV Bible - for information on compatibility, stability, pH of drugs, whether or not to filter or protect from light. It even has the formulation of the TPNs that are compatible and incompatible with the drugs you are screening.

Nancy Sloan, PharmD, RPh
Assistant Director for Clinical Services
Regional West Medical Center
Scottsbluff, NE

As we are a home infusion company, the value cannot be described. It is used daily in our practice. It is very user friendly and provides difficult to find information at your fingertips.

Amy Roen-Kim, PharmD
Pharmacy Supervisor
Chartwell Midwest Wisconsin

It is the gold standard for preparing sterile products and determining how to store them, at what concentration to prepare them, what can they be infused with, and how long is the compounded product stable.

Terry Laurila M.S. R.Ph
Homecare Pharmacy Manager
Nationwide Children's Hospital

It's the industry standard and should be "on the shelf" of every health-system pharmacy library.

Paul J. Barrett, PharmD, MPA, BCPS, FASHP
Sr. Mgr. Pharmacy & IV Therapy
The Aroostook Medical Center
Presque Isle, ME

This book is a cornerstone reference source for any pharmacy, pharmaceutical drug information center, or medical device manufacturer involved in medication delivery, or pharmacy teaching institution where questions of drug compatibility or stability are addressed on a regular basis.

Brad Noe', BA, EMBA
Manager, Technical Resources
BD Medical Surgical Systems
Becton, Dickinson and Company



Reviews/Testimonials

Handbook on Injectable Drugs, 16th Edition

MedInfoNow via Doody's Review Service

At A Glance

Still the world's premiere guide to injectable drugs and the most trusted resource. All 349 monographs have been updated in the 16th Edition, including six all-new monographs. They are: doripenem, someprazole sodium, ibuprofen lysine, insulin lispro, hydroxyethylstarch130/0.4 in sodium chloride 0.9% and moxifloxacin HCl. For each monograph, compatibility, stability, storage and preparation data have been painstakingly referenced and clearly presented, as you've come to expect and rely on in the Handbook on Injectable Drugs. There are now 2,788 references. It's a cover-to-cover update instilling confidence in the decisions.

Description

This is the sixteenth edition of a guide to the stability and compatibility of intravenous medications that is updated every two to three years.

Purpose

It is intended as a reference for the safe administration of parenteral medications to patients, covering stability, osmolality, pH, and compatibility of parenteral drugs. Lawrence Trissel does an astonishing job of gathering a colossal amount of drug data and organizing it for quick retrieval in this one-stop resource.

Audience

This book is specifically targeted at healthcare professionals who practice in either inpatient or ambulatory settings where parenteral drugs will be administered frequently. It is published by the American Society of Health-System Pharmacists, as credible a source as there is.

Features

Based on the generic name, each parenteral drug is listed in alphabetical order by sections. The brand name, if the drug is still available as such, is listed under the primary heading "Products" in each monograph as well as the index. Each drug section is broken up into four sets of tables. Table 1 covers "Solution Compatibility," such as the referenced drug placed into sodium chloride 0.9% or dextrose 5%. Table 2 describes the "Additive Compatibility" and evaluates the referenced drug in addition to a second independent drug (example: acyclovir and hydromorphone in one IV bag). Table 3, "Drugs in Syringe Compatibility," discusses whether two drugs drawn up into the same

syringe are physically stable. Finally, Table 4, "Y-Site Injection Compatibility," states whether two drugs can be administered safely without precipitation into an intravenous access port. Each of the tables describing compatibility lists the drug, manufacturer, reference source number, and concentration, with additional remarks concerning time and temperature stability. This user-friendly format provides a wealth of data in a layout that makes it easy to retrieve.

Assessment

Any practicing pharmacists who frequently deal with injectable drugs would be hard pressed to find this amount of information on drug stability/compatibility in one easily retrievable resource without this book. It is the gold standard for this type of information. As healthcare practice changes all the time with the discovery of new drugs and the emergence of new data on existing drugs, references like this must be kept up to date, which justifies this new edition.

Review Questionnaire

Range	Question	Score
1-10	Are the author's objectives met?	10
1-10	Rate the worthiness of those objectives.	10
1-5	Is this written at an appropriate level?	5
1-5	Is there significant duplication? (1=significant, 5=insignificant)	4
1-5	Are there significant omissions? (1=significant, 5=insignificant)	4
1-5	Rate the authority of the authors.	5
1-5	Are there sufficient illustrations?	N/A
1-5	Rate the pedagogic value of the illustrations.	N/A
1-5	Rate the print quality of the illustrations.	N/A
1-5	Are there sufficient references?	1
1-5	Rate the currency of the references.	5
1-5	Rate the pertinence of the references.	5
1-5	Rate the helpfulness of the index.	5
1-5	If important in this specialty, rate the physical appearance of the book	N/A
1-10	Is this a worthwhile contribution to the field?	10
1-10	If this is a 2nd or later edition, is this new edition needed?	10

Score: 92

Reviewer: Christopher Widdick, Pharm D. Student, (Temple University School of Pharmacy).



Reviews/Testimonials

Handbook on Injectable Drugs, 16th Edition

By Lawrence A. Trissel

The Annals of Pharmacotherapy: July/August 2011 vol. 45 no. 7-8 page 1032

Therapeutic Area: General textbook, considered the leading injectable drug reference, describing a wealth of information on parenteral drugs commercially available in the US and other countries.

Format: The book is available in print in a hardcover version, or in a CD-ROM format. These products can be used individually or as a package.

Audience: The intended audience consists of knowledgeable health care professionals, primarily pharmacists, who are familiar with the formulation and clinical use of parenteral medications. Users should be able to interpret and apply the information in the reference based on their dedicated knowledge base, training, and skill sets in the area of parenteral medications.

Purpose: To facilitate the use of the clinical pharmaceuticals research contained within by knowledgeable health care practitioners for the benefit of patients.

Content: The 16th edition of the *Handbook on Injectable Drugs* is a compilation of the administration, compatibility, and stability summaries of 349 parenteral drugs available in the US and other countries. The collection of monographs, arranged alphabetically by nonproprietary name, offers an overview on the pharmaceuticals of parenteral medications as applied to the clinical setting, based on information from the published literature. Information is derived from 2788 references, 65 of which are new to this edition. The monographs have been completely updated in this edition through the same process that was undertaken for all previous editions. The "How to Use the Handbook" section that has appeared in previous editions is available following the preface of this edition. The author suggests that reading this section is essential for proper use of the reference, as it will familiarize the user with its organization, content, structure, summarization strategy, interpretation of the information presented, as well as limitations of the published literature on which the book is based.

The Appendix contains many tables summarizing the composition of the total parenteral nutrition admixtures that are referred to throughout the handbook. This was designed to facilitate comparisons among different admixtures. The comprehensive list of references follows this section.

Usability: A consistent format is maintained in each monograph. The names of drugs, arranged alphabetically throughout the book, follow the *USAN and the USP Dictionary of Drug Names* style. In some cases, the trade names and manufacturers of the drug product are listed for clarity to show which specific products were tested for compatibility and stability. All of the references have been updated and serve as a tool for users who desire to study the original sources from which the research was derived. The references draw mostly from the primary literature, and in some cases, the manufacturer's data. The book is priced fairly considering its size and the depth of research that is undertaken to bring each edition up-to-date.

Highlights: Since its inception over 30 years ago, the *Handbook on Injectable Drugs* has been a leading resource on the compatibility and stability of parenteral drugs. The 16th edition follows the same path, offering a well-organized and straightforward cross-referenced compendium. As in previous editions, this version contains tables that present information in a clear and easily understandable format. In addition, the content is fully updated by reliable resources and includes clinical anecdotes from practitioners.

Limitations: The only weakness of this reference is that it often does not include long-term compatibility and stability information for drugs and certain containers (eg, infusion pump cassettes) that may be used in the alternate site or home infusion setting. However, another commercially available reference does offer this information, and if the long-term data were included in the *Handbook on Injectable Drugs*, the size of the book would most likely become unmanageable.

Comparison with Previous Edition: The 16th edition of the *Handbook on Injectable Drugs* has been updated in terms of the monographs and references. As each new edition is published, all previous editions are considered out-of-date. Six monographs on parenteral drugs are new to this edition: doripenem, esomeprazole sodium, 6% hydroxyethyl starch 130/0.4 in 0.9% sodium chloride, ibuprofen lysinate, insulin lispro, and moxifloxacin hydrochloride.

Comparison with Other Related Books: The only other book that appears to have comparable information is the *King Guide to Parenteral Admixtures*. This reference offers quarterly updates, while the *Handbook on Injectable Drugs* only offers updates with the publication of each new edition.

Reviewer's Summary: This reference is still considered the leading injectable drug guide and is trusted by many practitioners who have been using it for years. It provides reliable, up-to-date information and is edited by a leading authority in the compatibility and stability of parenteral drugs.

Reviewer: Karen E Bertch PharmD FCCP, Director, Pharmacy Drug Intelligence, Premier, Inc., Charlotte, NC, and Clinical Pharmacist, Coram Healthcare, Mount Prospect, IL