



January 2009

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For all the latest information, visit www.usp.org

Reference Standards Highlights

Below are several tables with the latest Reference Standard information including out-of-stock items now available; new Reference Standards released in December 2008; backordered items with estimated availability dates; items that have been discontinued/have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.

Please contact your USP Customer Service Representative to place an order at +1 (301) 881-0666 or 1-800-227-8772. European customers can call 00-800-4875-5555. You can also order online at www.usp.org/products.

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New Reference Standards Now Available

Catalog #	Description	Size	Lot	Price (USD)
1000420	Abacavir Related Compound A	20 mg	F0H284	\$576
1000441	Abacavir Related Compound B	20 mg	F0H283	\$576
1000452	Abacavir Related Compound C	20 mg	F0H285	\$576
1012032	Actein	20 mg	F0H264	\$892
1048583	Bemotrizinol Impurity Mixture	100 mg	F0H296	\$576
1071268	Powdered Bilberry Extract	500 mg	F0H286	\$308
1096848	Powdered Cat's Claw Extract	1 g	F0H321	\$185
1162421	Daidzein	25 mg	F0H362	\$185
1171207	23-EPI-26-Deoxyactein	20 mg	F0H262	\$892
1224981	Donepezil Hydrochloride	200 mg	F0H222	\$832
1288805	Genistin	30 mg	F0H345	\$680
1298139	Granisetron Related Compound C	15 mg	F0H354	\$587
1298140	Granisetron Related Compound D	15 mg	F0H360	\$587
1302214	Guggulsterone Z	25 mg	F0H358	\$536
1351107	Isopteropodine	20 mg	F0H322	\$616
1362602	Levonorgestrel	200 mg	F0H323	\$185
1392807	MESNA	200 mg	F0H331	\$185
1481215	Oxaliplatin Related Compound A	100 mg	F0H298	\$185
1481260	Oxaliplatin Related Compound F	25 mg	F0H278	\$616
1604905	Rocuronium Bromide	250 mg	F0H078	\$185

Previously Out-of-Stock Items Now Available

Catalog #	Description	Size	Lot	Price (USD)
1130505	Chlorzoxazone	350 mg	J0H074	\$185
1154558	Alpha Cyclodextrin	500 mg	G0H079	\$185
1162400	Dactinomycin	50 mg	J0H376	\$506
1265504	Ethylcellulose	1 g	I0H084	\$185
1488000	Oxymorphone	500 mg	I0H349	\$245
1588004	Pyrimilamine Maleate	200 mg	I1H177	\$185
1667370	Tilmicosin	250 mg	G0H061	\$185

Backorder Availability Estimates, December 15, 2008

Catalog #	Description	Expected Availability*
1047503	Bacitracin (1 g) (Susceptibility disk standard)	Q1/09
1068004	Betamethasone Sodium Phosphate (500 mg)	Q1/09
1270446	Fexofenadine Related Compound C (15 mg)	Q2/09
1278302	Fluoroquinolonic Acid (50 mg)	Q1/09
1471007	Norethynodrel (200 mg)	Q4/08
1601102	Residual Solvents Mixture - Class 1	Q1/09
1601281	Residual Solvents Class 2 - Mixture A	Q1/09
1673828	Trenbolone Acetate CIII (200 mg)	Q4/08

*Dates are targets and may change at any time. Q4/08=October–December 2008; Q1/09=January–March 2009; Q2/09=April–June 2009



Items with New Package Size

Catalog #	Description	Old Size	New Size	Lot	Price (USD)
1130505	Chlorzoxazone	500 mg	350 mg	J0H074	\$185
1154558	Alpha Cyclodextrin	50 mg	500 mg	G0H079	\$185
1667370	Tilmicosin*	400 mg	250 mg	G0H061	\$185

* Storage conditions and packaging configuration have also changed

RS Lots That are No Longer Valid

This table lists previous RS lots that are (or will soon be) no longer valid for official use. If you still have any of these materials on hand, do not use them for compendial testing purposes after the last day of the month for the valid use dates listed. To test products, always be sure you use a current, valid lot of USP RS. Current lot numbers and valid use dates for previous lots are available in the USP Catalog online at www.usp.org; click on the USP Products link and look up the RS of interest.

No Longer Valid as of December 31, 2008					
Catalog #	Description	Previous Lot/ Valid Use Date		Current Lot	Price (USD)
1078802	Buspirone Hydrochloride (200 mg)	H0B301	(12/08)	I0G171	\$194
1107004	Chloramphenicol (200 mg)	N1C074	(12/08)	O0H011	\$194
1140429	Clonidine Related Compound B (25 mg)	F0C403	(12/08)	G0G323	\$605
1179504	Dexpanthenol (500 mg)	J0C293	(12/08)	J1F296	\$200
1197506	Diflunisal (200 mg)	G	(12/08)	G1F320	\$194
1221000	Disodium Guanylate (350 mg) (FCC)	F-1	(12/08)	G0H049	\$194
1225292	Dorzolamide Hydrochloride Related Compound A (20 mg)	G0E029	(12/08)	H0G052	\$605
1303013	Haloperidol Related Compound A (10 mg)	K0C362	(12/08)	L0G226	\$605
1320001	Hydrocortisone Phosphate Triethylamine (200 mg)	F-1	(12/08)	G0H109	\$194
1356858	Lamivudine Resolution Mixture B (10 mg)	F0E152	(12/08)	G0H055	\$605
1433008	Methylphenidate Hydrochloride CII (125 mg)	I1C241	(12/08)	J0G307	\$206
1485103	Oxybutynin Chloride (200 mg)	H0E080	(12/08)	I0G281	\$194
1491354	Paclitaxel Related Compound B (20 mg)	G0E019	(12/08)	H0G196	\$938
1535700	Phosphated Riboflavin (100 mg)	G1B286	(12/08)	H0G253	\$154
1570508	Propantheline Bromide (200 mg)	I0A019	(12/08)	J0G354	\$194
1571001	Proparacaine Hydrochloride (200 mg)	G	(12/08)	H0G228	\$194
1623637	Sucrose (100 mg)	H1C223	(12/08)	H2G263	\$194
1646009	Testosterone CIII (125 mg)	I1B253	(12/08)	J0G360	\$206
1677002	Triamcinolone Acetonide (500 mg)	K	(12/08)	L0G322	\$194



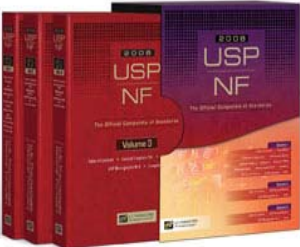
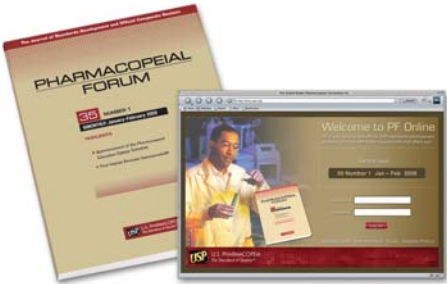
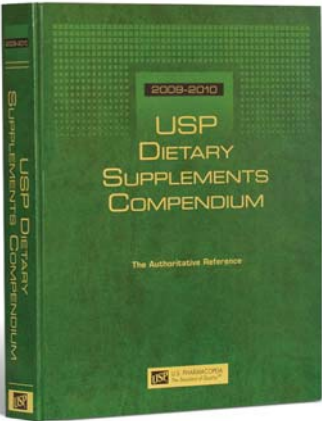
No Longer Valid as of January 31, 2009					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1046205	Aztreonam (200 mg)	G0C077 (01/09)	H0G293	\$194	
1097636	Cefepime Hydrochloride (500 mg)	G0D116 (01/09)	H0G278	\$194	
1098231	Cefuroxime Axetil Delta-3-Isomers (15 mg)	H2G014 (01/09)	I0H005	\$605	
1138427	Clobetasol Propionate Related Compound A (50 mg)	F2C417 (01/09)	G0G268	\$605	
1140597	Clopidogrel Related Compound B (20 mg)	G0F319 (01/09)	G1H047	\$735	
1202005	Dihydroergotamine Mesylate (500 mg) (List Chemical)	J0B085 (01/09)	K0H019	\$194	
1285862	o-Flutamide (50 mg)	F-1 (01/09)	G0G325	\$605	
1354218	Isradipine Related Compound A (10 mg)	F1D243 (01/09)	G0G028	\$605	
1375309	Mazindol CIV (350 mg)	H (01/09)	I0H012	\$257	
1468400	Nordazepam CIV (50 mg)	H1B035 (01/09)	I0H001	\$695	
1499403	Paricalcitol (10 mg)	F0E303 (01/09)	G0H054	\$1,578	
1522301	Pheniramine Maleate (150 mg)	F1C342 (01/09)	G0H038	\$194	
1619505	Squalane (500 mg)	G-1 (01/09)	H0G108	\$194	

Items with New Lots

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1012065	Acyclovir (300 mg)	J0C149 (10/09)	J1G366	\$245	
1061901	Benzyl Alcohol (500 mg/ampule)	G1E155 (12/09)	H0G411	\$194	
1071009	Bethanechol Chloride (200 mg)	H0E304 (10/09)	I0H206	\$194	
1146006	Colchicine (350 mg)	K0F231 (09/09)	L0H214	\$194	
1162400	Dactinomycin (50 mg)	I (11/09)	J0H376	\$531	
1252003	Estradiol Cypionate (200 mg)	G-1 (12/09)	H0H309	\$194	
1268728	Etodolac Related Compound A (25 mg)	F-1 (10/09)	F2G334	\$605	
1271711	Fluconazole Related Compound A (10 mg)	G0F201 (12/09)	H0H246	\$605	
1292314	Glimepiride Related Compound A (20 mg)	F0E232 (10/09)	F1H269	\$605	
1370349	Lorazepam Related Compound C (25 mg)	H (10/09)	I0H232	\$605	
1374500	Maleic Acid (300 mg)	G (10/09)	H0H121	\$605	
1437450	Methyl Salicylate (2 mL) (AS)	F0D070 (12/09)	G0H219	\$194	
1541500	Piperacillin (500 mg)	H (10/09)	I0H009	\$194	
1551503	Povidone (100 mg)	F-1 (12/09)	F2H326	\$194	
1601623	Residual Solvent Class 2 - Methanol (1.2 mL/ampule; 3 ampules)	F0D045 (07/09)	G0H294	\$194	
1667370	Tilmicosin (250 mg)	F0D393 (12/09)	G0H061	\$194	
1675007	Triacetin (1 g)	H0C413 (11/09)	H1H083	\$194	
1707806	Ursodiol (125 mg)	G (12/09)	H0H204	\$154	



USP Publication Highlights

	<p>USP 32–NF 27—Spanish Edition Publishes This Month The new 2009 edition of the <i>USP–NF</i> publishes in Spanish this month (print only). <i>USP 32–NF 27</i> in English (print, online, and CD) has been available since November 2008. An annual subscription includes a main edition and two <i>Supplements</i>. Subscribe today and be prepared for standards that become official May 1, 2009. Visit www.usp.org/products/USPNF or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Europe).</p>
	<p>Pharmacopeial Forum (PF), Volume 35 Just Published—Subscribe Now for 2009 Review, comment on, and track proposals for standards revisions in 2009 with <i>PF 35</i>. Published six times a year, <i>PF</i> gives you 2 to 12 months advance notice of changes, allowing you to prepare early for revisions. Order <i>PF 35</i> today—print and online formats, English only. Visit www.usp.org/products/PF or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Europe).</p>
	<p>New USP Dietary Supplements Compendium—Reserve your copy now Publishing in early 2009, the new <i>USP Dietary Supplements Compendium (DSC)</i> combines <i>USP–NF</i> standards with information from the <i>Food Chemicals Codex, Sixth Edition</i>; regulatory and industry documents; and helpful tools and resources. The <i>DSC</i> will be published every two years in hardcover print, English only. The 2009–2010 edition is scheduled to ship March 31. Learn more and order at www.usp.org/products/dietarySupplementsCompendium/, or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Europe).</p>

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Event Highlights

USP Customer Days—Coming to a City Near You!

The USP Account Management Team will be traveling across the U.S. and Canada holding free seminars to discuss USP publications, Reference Standards, USP Verified Services, Pharmacopeial Education, new initiatives, and scientific hot topics. **Meetings are scheduled for San Francisco, CA (February 3, 2009); Toronto, Canada (March 3, 2009); and Rockville, MD (May 11, 2009).** Registration and more information are available at <http://www.usp.org/products/USPCustomerDays/> or contact: uspcustomerday@usp.org.

Pharmacopeial Education

USP Pharmacopeial Education Online Catalog has been updated—www.uspeducation.com

Get the details on current and upcoming education offerings, including new on-demand online courses, classroom lectures, and lab training. Updated throughout the year, this convenient online catalog provides click-through links for registration, instructor information, and related products.

Featured Courses

Residual Solvents: Practical Applications <467>

USP experts are presenting this new one-day lecture on <467> implementation, misconceptions, and alternative validation methods at various locations in February 2009. Topics include

- Guidelines contained in Chapter <467>
- Common mistakes and misconceptions in the implementation of the new standards
- Options 1 and 2, as well as procedures A, B, and C
- Introduction of risk-based strategy concept when dealing with compliance issues
- How to develop and validate alternative methods
- Q&A session with USP expert

Classroom Cost: US \$695

Dates and Location:

- Feb. 3, 2009 - Chicago, IL
- Feb. 5, 2009 – Dallas, TX
- Feb. 10, 2009 – Somerset, NJ
- Feb. 12, 2009 – Raleigh, NC
- Feb. 24, 2009 – San Francisco, CA

[Click here](#) to register.



Aseptic Processing and Compliance Tools for USP <797>

Conducted in association with the Star Center, this course is designed to provide practical experience to successfully implemented USP <797> requirements in healthcare settings. Participants will earn 21 hours of CE credit, including 1 hour of law credit. Topics include

- How primary and secondary engineering controls contribute to airflow velocity, direction and ultimately ISO classification
- Best and worst practices of aseptic technique
- Proper hand washing and gowning requirements
- Aseptic technique in LAFWs and isolators in a clean room environment
- Performing a media fill challenge
- Determining the key issues to manage a clean room contractor successfully
- Proper people and product movement and workflow in anteroom and clean room areas
- History of sterile compounding in pharmacy practice and the role of training in pharmacy compliance and practice excellence

Classroom Cost: US \$2,075

Upcoming Dates and Locations:

January 28 – 30, 2009; Denver, CO

February 11 – 13, 2009; Denver, CO

February 18 – 20, 2009; Denver, CO

March 18 – 20, 2009; Denver, CO

(For additional course dates, [click here](#).)

[Click here](#) to register.

On-demand Online Courses on Food Ingredient Standards

Learn about food ingredient standards in the *Food Chemicals Codex (FCC)* and how you can help shape them with this special webinar series. (Click course title for more information, or click Register to take the course.)

[Introduction to the New FCC](#) (\$99)

[Register](#)

[Navigating the FCC](#) (\$99)

[Register](#)

[How to Use the FCC Forum—Making the FCC Your Own](#) (\$99)

[Register](#)

[How to Develop an FCC Monograph](#) (\$99)

[Register](#)

Compounding Sterile Preparations—<797> Webinar Series (\$150 per course)

On-demand courses available at a fraction of the cost of the live classroom sessions. (Click course title for more information, or click “Register” to take the course.)

[Microbial Contamination and Sterilization](#) (\$150)

[Register](#)

[Disinfectant Cleansing and Garbing](#) (\$150)

[Register](#)

[Microbial Contamination, Media Fill Testing, and Hazardous Drugs](#) (\$150)

[Register](#)

[Environmental Monitoring Controls and Facility Design](#) (\$150)

[Register](#)

[Radiopharmaceuticals, Sterilization Methods, and Specialty CSPs](#) (\$150)

[Register](#)

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Upcoming PE Courses Worldwide

- [Dissolution: Theory and Best Practices](#)
- [Validation of Compendial Procedures](#)
- [Effectively Using USP–NF](#)
- [Aseptic Processing and Compliance Tools for USP <797>](#)

Subscribe to the Pharmacopeial Education Email Bulletin

USP Pharmacopeial Education is developing several new courses for introduction in 2009. If you would like to stay informed of our new curriculum and upcoming schedule, [subscribe now](#) to the Pharmacopeial Education Bulletin.

Compendial Highlights

Monograph Redesign—USP is seeking comments for proposed design changes to all monographs contained in the *USP–NF*. Beginning, November 3, USP has been posting monographs on its Web site, on a staggered basis, in alphabetically ordered sets, for comment. The comment period is 90 days for each set. This is your chance to become familiar with the new formats and identify any errors that may have been introduced through the conversion of the monographs to this new style. The new format will be incorporated in *USP 33–NF 28*. Click [here](#) for more details.

USP–NF Notices

Sign up to receive Notices electronically at

<http://www.usp.org/support/products/uspNewslettersRequest.html?promo=compendial>

Revision Bulletins: [Enoxaparin Sodium and Enoxaparin Sodium Injection Monographs](#) (11/26/08)
[Ivermectin Tablets](#) (11/26/08)
[Isotretinoin Capsules](#) (11/26/08)
[Galantamine Hydrobromide Monograph](#) (11/26/08)

Explanatory Notes/Announcements: Nothing New

Intent to Revise: Nothing New

Errata: Nothing New

Postponements: Nothing New

General: [USP Invites Public Comments on its Dietary Supplement Safety Review Process](#)
(12/03/08)

[Error in Revision Bulletin Dates in USP 32–NF 27](#) (12/03/08)

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Stimuli Articles

Featured in *PF 35(1)*, January–February 2009

There are no stimuli articles at this time.

Tip of the Month

Did you know that the USP Annual Scientific Meeting presentations are available at www.usp.org? Check out the presentations from the September 23–26, 2008 Annual Scientific Meeting in Kansas City, Missouri [here](#).

Question of the Month

My drug substance (API) was manufactured in 2006 and met the official monograph at that time. Since then, the monograph has changed and my drug substance does not meet the new requirements. Can I use this material now in a drug product?

No, official drug products and finished devices are prepared from ingredients that meet the requirements of the compendial monographs for those individual ingredients for which monographs are provided (see also NF 26)-from General Notices Ingredients and Processes.

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