



April 2012

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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 March 2012; backordered items with estimated availability dates; items that have a new price and/or have a new package size; items with lots that are (or soon will be) no longer valid; and items with new lots since the last email notice.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.

The Reference Standards Notification Program can be used to notify you when a new never-before-released Reference Standard becomes available. The Notification Program does not communicate the release of back-ordered items or lot changeovers. To participate in the New Reference Standards Release Notification Program, please fill out the form online at www.usp.org/referenceStandards/notificationProgram.html.

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New Reference Standards Now Available

Catalog #	Description	Size	Lot	Price (USD)
1011732	Adapalene Related Compound C	25 mg	F0L078	\$636
1011743	Adapalene Related Compound D	25 mg	F0L079	\$636
1011754	Adapalene Related Compound E	25 mg	F0L080	\$636
1042689	Aripiprazole Related Compound F	25 mg	F0L068	\$636
1065480	Beta Carotene	3 X 250 mg	F0J240	\$204
1347664	Irinotecan Related Compound E	15 mg	F0L059	\$636
1458053	Neohesperidine Dihydrochalcone	100 mg	F0L071	\$204
1483174	Oxcarbazepine Related Compound B	10 mg	F0L088	\$636
1483200	Oxcarbazepine Related Compound E	10 mg	F0L092	\$636
1510889	Perindopril Erbumine	100 mg	F0L095	\$204
1510890	Perindopril Related Compound A	20 mg	F0L105	\$672
1543200	Piperine	20 mg	F0L087	\$204
1578805	Protein A	2 x 250 µl	F0K214	\$641
1642879	Tadalafil	200 mg	F0L003	\$273
1712001	Vigabatrin	100 mg	F0L108	\$290

Previously Out-of-Stock Items Now Available

Catalog #	Description	Size	Lot	Price (USD)
1173202	Desmopressin Acetate	1.93 mg	G0K019	\$204
1370000	Loperamide Hydrochloride	200 mg	H1L093	\$204
1672600	Tramadol Hydrochloride	100 mg	G0L065	\$204

Backorder Availability Estimates, April 2, 2012

Catalog #	Description	Expected Availability*
1235820	Enoxaparin Sodium (300 mg)	Q1/12
1702008	Tubocurarine Chloride (250 mg)	Q2/12

*Dates are targets and may change at any time. Q1/12=January-March 2012; Q2/12=April-June 2012

Items with New Package Size or New Description

Catalog #	Description	Old Size	Size	Lot	Price (USD)
1134404	Clavam-2-carboxylate Potassium	3.5 µg	3.4 µg	K0J282	\$620
1173202	Desmopressin Acetate	1.91 mg	1.93 mg	G0K019	\$204
1356734	Lactic Acid*	1.5 mL	1.5 mL	F1K398	\$204
1380105	Melatonin	100 mg	150 mg	G0K239	\$211
1478323	Olanzapine Related Compound B	25 mg	15 mg	G0K318	\$620
1617430	Sotalol Related Compound C**	50 mg	50 mg	G0L123	\$636

*This item has changed from an Authentic Substance to a Reference Standard.

**The chemical name of this item has changed

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RS Lots That are No Longer Valid

These Tables list 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 Store online [here](#) using the Reference Standards: Alphabetical Listings to look up the item of interest.

No Longer Valid as of March 31, 2012				
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1026004	m-Aminophenol (300 mg)	F (03/12)	G0J290	\$636
1031536	Amoxicillin Related Compound C (15 mg)	F0J128 (03/12)	F1K023	\$636
1046205	Aztreonam (200 mg)	H1I031 (03/12)	I0K062	\$204
1078201	Budesonide (200 mg)	F0E302 (03/12)	F1J422	\$204
1096600	Carisoprodol (1 g)	G (03/12)	H0J375	\$204
1133547	Choline Chloride (200 mg)	G0G022 (03/12)	H0J308	\$204
1145003	Codeine Sulfate CII (250 mg)	I0G213 (03/12)	I1J167	\$270
1268965	Eugenol (500 mg)	F0D303 (03/12)	F1J388	\$204
1270402	Finasteride (200 mg)	F1E139 (03/12)	G0K072	\$204
1272000	Flucytosine (200 mg)	G0E151 (03/12)	H0J113	\$204
1291548	Ginkgolic Acids (10 mg)	F0G279 (03/12)	G0J291	\$229
1356858	Lamivudine Resolution Mixture B (10 mg)	H0I145 (03/12)	I0K003	\$636
1418004	Methoxyflurane (1 mL)	G (03/12)	H0K111	\$204
1481226	Oxaliplatin Related Compound B (15 mg)	F0H424 (03/12)	G0K180	\$636
1485125	Oxybutynin Related Compound B (20 mg)	F0D061 (03/12)	G0J129	\$636
1572547	Propofol Related Compound B (25 mg)	H0I160 (03/12)	I0J280	\$636

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No Longer Valid as of April 30, 2012				
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)
1048007	Bacitracin Zinc (200 mg)	O0J099 (04/12)	P0J327	\$204
1154809	Cyclomethicone 5 (200 mg)	G0D052 (04/12)	H0J269	\$204
1158650	Cyclosporine Resolution Mixture (25 mg)	F1F134 (04/12)	G0J352	\$537
1179887	Dextran 70 Calibration (100 mg)	F0C013 (04/12)	G0J373	\$204
1185008	Diazepam CIV (100 mg)	I2G270 (04/12)	J0J208	\$270
1200000	Digoxin (250 mg)	O0B096 (04/12)	P0I054	\$204
1250008	Estradiol (500 mg)	M0E309 (04/12)	N0J191	\$204
1265402	Ethyl Acetate (1.2 mL/ampule; 3 ampules)	F0E282 (04/12)	G0I239	\$204
1288317	Ganciclovir Related Compound A (15 mg)	F0C288 (04/12)	G0J294	\$814
1356009	Ketamine Hydrochloride CIII (250 mg)	H0E091 (04/12)	I0J272	\$270
1359925	Levocarnitine Related Compound A (100 mg)	F2I202 (04/12)	G0K130	\$636
1361009	Levodopa (200 mg)	J0H244 (04/12)	K0J392	\$204
1378001	Medroxyprogesterone Acetate (200 mg)	I0D013 (04/12)	I1K073	\$204
1444208	Minoxidil (125 mg)	H1C168 (04/12)	I0K038	\$162
1471914	Norgestimate (200 mg)	F0C086 (04/12)	G0J236	\$204
1554192	Pravastatin 1,1,3,3-Tetramethylbutylamine (200 mg)	F0G234 (04/12)	G0K049	\$218
1578500	Prostaglandin A1 (25 mg)	I0F103 (04/12)	J0K053	\$1,634
1601827	Residual Solvent Class 2 - Trichloroethylene (1.2 mL/ampule; 3 ampules)	F0D221 (04/12)	G0H356	\$204
1626001	Sulfadimethoxine (200 mg)	G0D249 (04/12)	H0K048	\$204
1667406	Timolol Maleate (200 mg)	H0H046 (04/12)	I0K047	\$204
1673012	Travoprost Related Compound A (1.5 mL) (COLD SHIPMENT REQUIRED)	F0I012 (04/12)	G0J307	\$636
1685500	2-[N-(2,2,2-Trifluoroethyl)amino-5]-chlorobenzophenone (25 mg)	F (04/12)	G0K028	\$636
1708784	Valsartan Related Compound B (10 mg)	G1I283 (04/12)	H1K270	\$814

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No Longer Valid as of May 31, 2012					
Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1042500	L-Arginine (200 mg)	H01181 (05/12)	I0J237	\$204	
1095517	Carbidopa Related Compound A (25 mg)	H1F245 (05/12)	I1L005	\$636	
1097705	Cefoperazone Dihydrate (200 mg)	H1G369 (05/12)	I0K056	\$204	
1133503	Cholic Acid (2 g)	F3B159 (05/12)	G0J404	\$204	
1136002	Clindamycin Hydrochloride (200 mg)	H0E044 (05/12)	H1K043	\$559	
1193301	Diethylene Glycol Monoethyl Ether (0.5 mL/ampule)	G0C159 (05/12)	G1I320	\$204	
1224992	Donepezil Related Compound A (25 mg)	F0J070 (05/12)	G0K187	\$636	
1233009	Edetate Disodium (200 mg)	I0D405 (05/12)	J0J421	\$204	
1236506	4-Epianhydrotetracycline Hydrochloride (50 mg)	K0F299 (05/12)	L0J359	\$636	
1285873	Fluticasone Propionate (100 mg)	F0F036 (05/12)	G0K029	\$1,005	
1287369	Gabapentin Related Compound E (10 mg)	F0E190 (05/12)	F1J405	\$636	
1409502	Methenamine Hippurate (200 mg)	F1H344 (05/12)	G0K181	\$204	
1417001	Methoxsalen (200 mg)	H (05/12)	I0K139	\$204	
1441265	Metoprolol Related Compound D (50 mg)	G0E188 (05/12)	H0K146	\$680	
1448956	Mycophenolate Mofetil (200 mg)	F0G372 (05/12)	G0J078	\$204	
1461003	Niacin (200 mg)	I0E295 (05/12)	J0J235	\$204	
1474504	Noscapine (100 mg)	G (05/12)	H0K132	\$204	
1516502	Phendimetrazine Tartrate CIII (350 mg)	G (05/12)	H0J146	\$270	
1555005	Prednisolone (200 mg)	N0D212 (05/12)	N1J277	\$204	
1568007	Progesterone (200 mg)	I0D373 (05/12)	I1J239	\$162	
1601601	Residual Solvent Class 2 - Hexane (1.2 mL/ampule; 3 ampules)	F0D268 (05/12)	G0K012	\$204	
1613804	Sodium Chloride (1 g)	G0H275 (05/12)	H0K004	\$204	
1672206	Topiramate (150 mg)	G0I135 (05/12)	H0K055	\$271	

Items with New Lots

Catalog #	Description	Previous Lot/ Valid Use Date	Current Lot	Price (USD)	
1033407	Ampicillin Trihydrate (200 mg)	H0H346 (03/13)	H1L041	\$204	
1048620	Benazepril Related Compound A (25 mg)	G0F352 (03/13)	H0K411	\$636	
1134404	Clavam-2-carboxylate Potassium (3.4 ug)	J0I149 (03/13)	K0J282	\$636	
1173202	Desmopressin Acetate (1.93 mg) (COLD SHIPMENT REQUIRED)	F0E267 (12/12)	G0K019	\$204	
1225703	Doxorubicin Hydrochloride (50 mg)	K1G106 (03/13)	L0K258	\$625	
1254009	Estradiol Valerate (100 mg)	L1D286 (02/13)	L2L009	\$204	
1265515	Ethylene Glycol (0.5 mL)	F0G403 (03/13)	G0K011	\$204	
1319002	Hydrocortisone Hemisuccinate (200 mg)	J0H091 (03/13)	K0K423	\$204	
1356734	Lactic Acid (1.5 mL/ampule; 3 ampules)	F0D027 (03/13)	F1K398	\$204	
1358004	Leucovorin Calcium (500 mg)	K0F033 (03/13)	K1K334	\$210	
1370000	Loperamide Hydrochloride (200 mg)	H0C202 (03/13)	H1L093	\$204	
1553768	Pramipexole Related Compound A (15 mg)	F0J114 (03/13)	G0L086	\$636	
1601102	Residual Solvents Mixture - Class 1 (1.2 mL/ampule; 3 ampules)	F1H387 (03/13)	G0K378	\$204	
1672600	Tramadol Hydrochloride (100 mg)	F0H020 (03/13)	G0L065	\$204	
1711304	Verapamil Related Compound A (50 mg)	H (03/13)	I0J297	\$636	

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USP Publication Highlights

	<p>Be Prepared to Meet <i>USP 35–NF 30</i> Standards—Official May 1, 2012! The 2012 edition of <i>USP–NF</i> becomes official and FDA-enforceable beginning May 1. <i>USP 35–NF 30</i> features</p> <ul style="list-style-type: none">• More than 4,500 monographs• Revisions to General Notices• New and revised General Chapters: <81> Antibiotics—Microbial Assays; <88> Biological Reactivity Tests, In Vivo; <401> Fats and Fixed Oils; <467> Residual Solvents; <1224> Transfer of Analytical Procedures; and <1226> Verification of Compendial Procedures. <p>Available in print, online, and new USB flash drive formats. Subscription includes main edition (published Nov. 1, 2011), <i>First Supplement</i> (Feb. 1, 2012) and <i>Second Supplement</i> (Jun. 1, 2012). Subscribe today at www.usp.org/products or call USP Customer Service at 1-800-227- 8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p>New <i>Food Chemicals Codex (FCC), Eighth Edition</i>—Available Now. Save \$100 with Promotion Code HW2BZZ11! The <i>FCC, Eighth Edition</i>, features more than 1,100 monographs, appendices with step-by-step methods, and helpful information for manufacturers, suppliers, and users of food ingredients—including data from the soon to be released USP Food Fraud Database. Subscription includes the main edition (published Mar. 1, 2012; effective Jun. 1, 2012), plus three supplements which publish at six-month intervals during the subscription period. Available in print and online formats. Order at www.usp.org/products/FCC or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p>New 2012 <i>Dietary Supplements Compendium (DSC)</i>—Pre-order Today for Updated Dietary Supplement Standards! Save 20% with Promotion Code HY3BZZ12 The 2012 <i>DSC</i> (publishes in late Spring) was developed for manufacturers, contract laboratories, and distributors. It contains the DSHEA standards and authoritative information needed to develop, manufacture, and test quality dietary supplement products. The <i>DSC</i> includes over 60 new monographs, 23 new or revised admissions criteria safety reviews, plus almost 300 color illustrations in an expanded, two-volume set. The second volume is available for sale separately. Pre-order at www.usp.org/store/products-services/dietary-supplements-compendium or call USP Customer Service at 1-800-227-8772 (U.S. and Canada), +1-301-881-0666, or 00-800-4875-5555 (Select Europe).</p>
	<p>New 2012 <i>USP Dictionary</i> Features Important Drug Name Updates The 2012 <i>USP Dictionary</i> of USAN and International Drug Names published Apr. 1 and features more than 2,900 updates! Rely on the <i>USP Dictionary</i> for generic and brand drug names, pronunciations, chemical structures, UNII codes, and more! Available in print and online formats. Order now at www.usp.org/store/products-services/uspdictionary 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 User Forums Coming to a City Near You!

The USP Account Management Team will be traveling around the world holding free seminars to discuss timely USP initiatives and how to use available USP resources to your advantage.

More information including locations and dates is available [here](#), or contact USPUserForum@usp.org

Workshops

USP web forums and workshops encourage discussion of a wide range of current scientific findings and regulatory trends. Participants discuss hot topics that concern the public and exchange practical advice.

Information on workshops is available [here](#).

Pharmacopeial Education

USP's Pharmacopeial Education division is dedicated to providing quality education for chemists, scientists and healthcare practitioners in the United States and around the world. We seek to improve the effective implementation of standards that affect best practices for the development, manufacture, regulation, compounding, storage, and dispensing of pharmaceuticals, dietary supplements, food additives, and other therapeutics.

To find a course, please visit <http://www.usp.org/meetings-courses/courses/>

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Compendial Highlights

[New Official Text](#)

Revision Bulletins:

[Calcitonin Salmon](#) (posted 30–Mar–2012; official 01–Apr–2012)

[Docetaxel](#) (posted 30–Mar–2012; official 01–May–2012)

[Sucrose \(POSTPONEMENT\)](#) (posted 30–Mar–2012; official 01–Apr–2012)

IRAs

[Docetaxel](#) (posted 30–Mar–2012; official 01–May–2012)

[Levalbuterol Hydrochloride](#) (posted 30–Mar–2012; official 01–May–2012)

[Levalbuterol Inhalation Solution](#) (posted 30–Mar–2012; official 01–May–2012)

[Mirtazapine Tablets](#) (posted 30–Mar–2012; official 01–May–2012)

Errata

[March 2012 Errata Posting](#) (posted 24–Feb–2012)

[January 2012 Errata Posting](#) (posted 29–Dec–2011)*

[October 2011 Errata Posting](#) (posted 28–Oct–2011)

[August 2011 Errata Posting](#) (posted 30–Aug–2011)

[June 2011 Errata Posting](#) (posted 30–Jun–2011)

[April 2011 Errata Posting](#) (posted 29–Apr–2011)

[February 2011 Errata Posting](#) (posted 28–Feb–2011)

[December 2010 Errata Posting](#) (posted 30–Dec–2010)

*Beginning with the December 29, 2011 posting, Errata postings will be named with the month in which they become official.

[Compendial Notices](#)

New: No New Items

Sign up to receive updates electronically at <http://www.usp.org/support-home/opt-information-service>

[Stimuli Articles](#)

Featured in *PF 38(2)*, March–April 2012

An Outline of Planned Changes to *USP <1211> Sterilization and Sterility Assurance of Compendial Articles*.

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Tip of the Month

As part of the General Chapters EC work plan, the chapter <851> *Spectrophotometry and Light-Scattering* will be replaced by a family of General Chapters. Each spectroscopic technique will be covered by a pair of chapters, one numbered sub-1000 and one numbered greater than 1000. *PF 37(5)* included proposals for Atomic Absorption, Mid Infrared, and UV/Visible Spectroscopy chapters. Look for a stimuli article, revisions proposed to these chapters and new proposed chapters in upcoming *PF* issues.

Also, check out the [New Proposed Spectroscopy Chapters](#) webinar (\$150) which provides a review of the recently proposed chapters focusing on different spectroscopic techniques. New requirements for instrument qualification and procedure validation/verification are briefly discussed.

Question of the Month

Are USP Reference Standards suitable for applications not specified in the *USP-NF*?

You may be able to use USP Reference Standards for analytical or laboratory applications other than those specified in the *USP-NF*, but you are responsible for determining the suitability of the standards for the required purposes.

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