

Reference Standards Tables

Below are several tables with the latest Reference Standard information including out-of-stock items now available; new Reference Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter. USP strongly suggest downloading the FREE Reference Standards and Resources APP to easily track and receive notifications and alerts for the Reference Standards of interest to you. 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 <http://www.usp.org/products>

[New Reference Standards Now Available](#)

[Items With Replacement Lots](#)

[Backorder Availability Report As of January 29, 2018](#)

[Previously Out-of-Stock Items Now Available](#)

[No Longer Valid as of February 2019](#)

New Reference Standards Now Available

Catalog	Description	Current Lot	Start28-Date#	Unit Price
1357103	Lacosamide CV (250 mg) ((+)-(R)-2-(Acetylamino)-N-benzyl-3-methoxypropanamide)	F092D0	31-Jan-19	\$400.00
1696131	Triptorelin Acetate (1.82 mg) (5-Oxo-L-prolyl-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-D-tryptophyl-L-leucyl-L-arginyl-L-prolylglycinamide acetate salt)	F06170	25-Jan-19	\$300.00
1458064	Neodiosmin (30 mg) (5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-oxo-4H-chromen-7-yl 2-O-(alpha-L-rhamnopyranosyl)-beta-Dglucopyranoside)	F097P0	17-Jan-19	\$375.00
1078857	Bupropion Related Compound G (50 mg) (2-Bromo-1-(3-chlorophenyl)propan-1-one)	F098X0	31-Jan-19	\$845.00

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Items with Replacement Lots

Catalog	Description	Current Lot	Previous Lot (Valid Use Date)	Tran Date#	Price
1112467	4-Chlorobenzophenone (30 mg) (4-Chlorobenzophenone)	F003D1	F003D0 (31-Dec-19)	24-Jan-19	\$835.00
1012600	Albuterol (200 mg)	R097B0	I (31-Jan-20)	8-Jan-19	\$245.00
1015008	Alprazolam CIV (200 mg)	R101D0	I0G195 (31-Dec-19)	28-Jan-19	\$325.00
1043502	Asparagine Anhydrous (200 mg)	R094S0	R05130 (31-Dec-19)	3-Jan-19	\$290.00
1044516	Atorvastatin Calcium (100 mg)	R087X0	H0M533 (31-Aug-19)	10-Jan-19	\$245.00
1078201	Budesonide (200 mg)	R079R0	R036W0 (31-Jan-20)	22-Jan-19	\$245.00
1078529	Bupivacaine Related Compound B (50 mg) N-(2,6-Dimethylphenyl)piperidine-2-carboxamide Hydrochloride	R106Y0	R071A0 (31-Jan-20)	3-Jan-19	\$775.00
1078700	Buprenorphine Hydrochloride CIII (50 mg)	R09910	R00770 (31-Jan-20)	15-Jan-19	\$325.00
1098195	Ceftriaxone Sodium E-Isomer (25 mg)	R111N0	R071H0 (30-Nov-19)	15-Jan-19	\$835.00
1140586	Clopidogrel Related Compound A (20 mg) ((+)-(S)-(o-chlorophenyl)-6,7-dihydrothieno[3,2-c]pyridine-5(4H)-acetic acid, hydrochloride)	R098N0	H0M124 (31-Jan-20)	16-Jan-19	\$940.00
1150502	Cromolyn Sodium (500 mg)	R099H0	K0L232 (31-Oct-19)	24-Jan-19	\$245.00
1180026	Dextroamphetamine Related Compound B CII (25 mg) (Phenyl acetone)	R097P0	F0H132 (30-Nov-19)	17-Jan-19	\$775.00
1234307	Eicosapentaenoic Acid Ethyl Ester (500 mg) (All-cis-5,8,11,14,17-Eicosapentaenoic acid ethyl ester)	R085H0	R023R0 (31-Dec-19)	3-Jan-19	\$540.00
1235106	Emtricitabine (200 mg)	R101B0	R060K0 (31-Dec-19)	8-Jan-19	\$795.00
1265402	Ethyl Acetate (1.2 mL/ampule; 3 ampules)	R09350	R032S0 (31-Oct-19)	2-Jan-19	\$240.00
1274607	Flunixin Meglumine (300 mg)	H1E241	H0E241 (31-Jul-19)	10-Jan-19	\$245.00
1280009	Fluoxymesterone CIII (200 mg)	R097L0	G4F292 (31-Aug-19)	22-Jan-19	\$325.00
1286322	Fosfomycin Tromethamine (800 mg)	R10440	R079E0 (31-Dec-19)	24-Jan-19	\$245.00
1154591	Gamma Cyclodextrin (200 mg)	R094L0	F0D396 (30-Sep-19)	8-Jan-19	\$265.00
1291446	Ginger Constituent Mixture (0.6 mg) (A freeze-dried mixture of 6-Gingerol and 6-Shogaol)	R09440	F0E129 (30-Apr-19)	3-Jan-19	\$360.00
1298139	Granisetron Related Compound C (15 mg) (N-[(1R,3r,5S)-9-azabicyclo[3.3.1]non-3-yl]-1-methyl-1H-indazole-3-carboxamide hydrochloride)	R099T0	F0H354 (30-Sep-19)	3-Jan-19	\$845.00
1340009	Indocyanine Green (250 mg)	R096K0	R05540 (31-Jan-20)	24-Jan-19	\$265.00
1026004	m-Aminophenol (300 mg)	R07900	G0J290 (31-Jan-20)	28-Jan-19	\$775.00
1539803	Maritime Pine Extract (2 g)	R075H0	F0K092 (31-May-19)	17-Jan-19	\$215.00
1379183	Melamine (250 mg) (2,4,6-Triamino-1,3,5-triazine)	G2M492	G1M492 (31-Jan-20)	3-Jan-19	\$245.00

1444300	Misoprostol (100 mg)	R091B0	R035F0 (30-Nov-19)	15-Jan-19	\$670.00
1488000	Oxymorphone CII (300 mg)	R098R0	R050C0 (31-Oct-19)	24-Jan-19	\$325.00
1605512	Ropivacaine Related Compound A (25 mg) (2,6-dimethylaniline hydrochloride)	R110V0	R023M0 (30-Jun-19)	3-Jan-19	\$775.00
1669004	Tolazoline Hydrochloride (300 mg)	R110S0	R012L0 (30-Sep-19)	31-Jan-19	\$245.00
1711009	Vanillin Melting Point Standard (1 g) (Approximately 82 degrees)	L2M294	L1M294 (31-Aug-19)	2-Jan-19	\$165.00
1713004	Vinblastine Sulfate (50 mg)	R01960	O0K122 (31-May-19)	8-Jan-19	\$555.00

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Backorder Availability As of January 29, 2019

Item No.	Description	Estimated Availability
1000612	Acebutolol Related Compound A (20 mg) (N-(3-acetyl-4-hydroxyphenyl) butanamide)	Q1
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	Q1
1067307	Betamethasone Benzoate (200 mg)	Q2
1086403	Calcium Carbonate (1 g)	Q1
1116774	Chlorophyll A (15 mg)	Q1
1148001	Colistin Sulfate (200 mg)	Q1
1199002	Digitoxin (200 mg)	Q1
1234103	Efavirenz (200 mg)	Q1
1237000	Epinephrine Bitartrate (200 mg)	Q1
1242000	Erythromycin (250 mg)	Q1
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	Q3
1271008	<i>Floxuridine (250 mg)</i>	Q1
1288339	Ganciclovir Mono-N-methyl Valinate (10 mg) (2-(RS)-[(guanin-9-yl)methoxy]-3-hydroxypropyl N-methyl-L-valinate hydrochloride)	Q1
1296086	Glycopyrrolate Related Compound I (15 mg) ((RS)-3-[(SR)-2-(4-Chlorophenyl)-2-cyclopentyl-2-hydroxyacetoxy]-1,1-dimethylpyrrolidin-1-ium bromide)	Q1
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	Q1
1297250	Goserelin System Suitability Mixture (1.0 mg) (COLD SHIPMENT REQUIRED)	Q1
1298004	Gramicidin (200 mg)	Q1

1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD
1329913	5-Hydroxy-L-tryptophan (100 mg)	TBD
1345104	loversol (200 mg)	Q1
1356949	Lauric Acid (500 mg)	Q2
1365021	Levothyroxine for Peak Identification (15 mg) (levothyroxine sodium spiked with liothyronine, triiodothyroacetic acid, tetraiodothyroacetic acid)	Q2
1374601	Malic Acid (500 mg)	Q1
1414058	Methotrexate Related Compound E (50 mg) (4-[[[2,4-Diaminopteridin-6-yl)methyl](methyl)amino]benzoic acid, hemihydrochloride)	Q1
1445404	Modafinil CIV (200 mg)	Q1
1471914	Norgestimate (200 mg)	Q1
1499414	Paricalcitol Solution (3 mL) (COLD SHIPMENT REQUIRED)	Q1
1510051	Pepsin for Assay (5 x 1 g) (COLD SHIPMENT REQUIRED)	Q1
1610001	Scopolamine Hydrobromide (500 mg)	Q1
1633007	Sulfanilamide Melting Point Standard (1 g) (Approximately 165 degrees)	Q1
1643452	Terazosin Hydrochloride (200 mg)	Q1
1643962	Teriparatide (1 mg) (COLD SHIPMENT REQUIRED)	Q1
1669004	Tolazoline Hydrochloride (300 mg)	Q1
1689001	Trimeprazine Tartrate (200 mg)	Q1
1709007	Vancomycin Hydrochloride (4 vials, each vial contains 98,800 mcg of vancomycin activity)	Q1
1711177	Vecuronium Bromide Related Compound B (15 mg) (Piperidinium, 1-[(2beta, 3alpha, 5alpha, 16beta, 17beta)-3-acetyloxy-17-hydroxy-2-(1-piperidinyl)androstan-16-yl]-1-methyl bromide)	Q2
1712023	Vigabatrin Related Compound B (30 mg) ((E)-2-(2-aminoethyl)but-2-enoic acid hydrochloride)	Q1

*Dates are targets and may change at any time. Q1January—March, Q2 April –June, Q3- July – September, Q4- October –December

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Previously Out of Stock Items Now Available

Catalog	Description	Lot	Price
1015008	Alprazolam CIV (200 mg)	R101D0	\$325.00
1036110	Aniline (250 mg)	R090N0	\$775.00
1098195	Ceftriaxone Sodium E-Isomer (25 mg)	R111N0	\$835.00
1112467	4-Chlorobenzophenone (30 mg) (4-Chlorobenzophenone)	F003D1	\$835.00
1150502	Cromolyn Sodium (500 mg)	R099H0	\$245.00
1180026	Dextroamphetamine Related Compound B CII (25 mg) (Phenyl acetone)	R102Q0	\$775.00
1280009	Fluoxymesterone CIII (200 mg)	R097L0	\$325.00
1286322	Fosfomycin Tromethamine (800 mg)	R10440	\$245.00
1340009	Indocyanine Green (250 mg)	R096K0	\$265.00
1444300	Misoprostol (100 mg)	R091B0	\$670.00
1488000	Oxymorphone CII (300 mg)	R098R0	\$325.00
1539803	Maritime Pine Extract (2 g)	R075H0	\$215.00
1669004	Tolazoline Hydrochloride (300 mg)	R110S0	\$245.00

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Items with New Package Size or New Description

Catalog	Description	Lot	Old Size	New Size
N/A	N/A	N/A	N/A	N/A

Reference Lots that are No Longer Valid (VUD)

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 Store online [here](#), and by downloading the free Reference Standards and Resources App

Catalog	Description	Current Lot	Previous Lot	Unit Price
1003027	Acetaminophen Related Compound B (30 mg) (N-(4-hydroxyphenyl)propanamide)	R066W0	R012P0(28-Feb-19)	\$775.00
1012112	S-Adenosyl-L-Homocysteine (50 mg)	R089M0	R02130(28-Feb-19)	\$245.00
1013512	Almotriptan Malate (200 mg)	R088L0	F0J054(28-Feb-19)	\$245.00
1029501	Amlodipine Besylate (350 mg)	R09060	H0I102(28-Feb-19)	\$245.00
1033000	Ampicillin (200 mg)	R084V0	K1M493(28-Feb-19)	\$245.00
1041926	Aprepitant Related Compound B (10 mg) (3-[[[(2S,3R)-2-[(S)-1-[3,5-Bis(trifluoromethyl)phenyl]ethoxy]-3-(4-fluorophenyl)morpholino]methyl]-1H-1,2,4-triazol-5(4H)-one)	R086A0	F0K083(28-Feb-19)	\$835.00
1042930	Articaine Related Compound B (25 mg) (4-methyl-3-[[2-(propylamino)propanoyl]amino]thiophene-2-carboxylic acid)	F1K104	F0K104(28-Feb-19)	\$775.00
1044200	Astaxanthin (Synthetic) (3 x 30 mg) (3,3'-dihydroxy-Beta,Beta-Carotene-4,4'-dione)	R070Y0	R036P0(28-Feb-19)	\$245.00
1045541	Azacitidine Related Compound B (15 mg) (1-O-Acetyl-2,3,5-tri-O-benzoyl-Beta-D-ribofuranose)	R087P0	F0L164(28-Feb-19)	\$775.00
1078529	Bupivacaine Related Compound B (50 mg) N-(2,6-Dimethylphenyl)piperidine-2-carboxamide Hydrochloride	R106Y0	F2F156(28-Feb-19)	\$775.00
1084259	Butyraldehyde (3 x 1.2 mL)	R075V0	R013G0(28-Feb-19)	\$275.00
1086866	Calcium (-)-Hydroxycitrate (150 mg)	R073A0	F0K014(28-Feb-19)	\$275.00
1102805	Cephadrine (300 mg)	R084C0	J(28-Feb-19)	\$245.00
1123135	Chlorpheniramine Related Compound B (25 mg) (di(pyridin-2-yl)amine)	R07060	R040B0(28-Feb-19)	\$835.00
1125006	Chlorpromazine Hydrochloride (200 mg)	J2K257	J1K257(28-Feb-19)	\$245.00
1130527	Chlorzoxazone Related Compound A (50 mg) (2-Amino-4-chlorophenol)	R08790	H1G336(28-Feb-19)	\$835.00
1161032	Cyproheptadine Related Compound C (25 mg) (5-(1-methyl-piperidin-4-yl)-5H-dibenzo[a,d]cyclohepten-5-ol)	R078J0	F0L388(28-Feb-19)	\$835.00
1224562	Docetaxel Identification (50 mg)	R087M0	R008Q0(28-Feb-19)	\$775.00
1224620	Docosahexaenoic Acid Ethyl Ester (500 mg)	R079D0	H0M544(28-Feb-19)	\$540.00
1225419	Doxazosin Mesylate (200 mg)	R07510	H0L151(28-Feb-19)	\$245.00
1270821	Flecainide Related Compound A (75 mg) (3-[2,5-Bis(2,2,2-trifluoroethoxy)phenyl]-	R047E1	R047E0(28-Feb-19)	\$775.00

	1,5,6,7,8,8alpha-hexahydroimidazo-[1,5alpha]pyridine hydrochloride)			
1285873	Fluticasone Propionate (100 mg)	R073Y0	H0L509(28-Feb-19)	\$1,200.00
1292325	Glimepiride Related Compound B (20 mg) (glimepiride sulfonamide, or 3-Ethyl-4-methyl-2-oxo-N-(4-sulfamoylphenethyl)-2,5-dihydro-1H-pyrrole-1-carboxamide)	R072W0	R013X0(28-Feb-19)	\$775.00
1295855	Glycitin (15 mg)	R08710	F0H235(28-Feb-19)	\$530.00
1323021	Hydromorphone Related Compound A CII (10 mg) (7,8-didehydro-4,5alpha-epoxy-3-hydroxy-17-methylmorphinan-6-one perchlorate)	R086C0	F0I307(28-Feb-19)	\$775.00
1342059	Insulin Glargine (15.06 mg) (COLD SHIPMENT REQUIRED)	R075C0	F009M0(28-Feb-19)	\$290.00
1342059	Insulin Glargine (15.06 mg) (COLD SHIPMENT REQUIRED)	R075C0	F009M0(28-Feb-19)	\$290.00
1342059	Insulin Glargine (15.06 mg) (COLD SHIPMENT REQUIRED)	R075C0	F009M0(28-Feb-19)	\$290.00
1356348	Ketorolac Related Compound D (20 mg) (5-benzoyl-2,3-dihydro-1H-pyrrolizine)	R073T0	R016K0(28-Feb-19)	\$775.00
1365021	Levothyroxine for Peak Identification (15 mg) (levothyroxine sodium spiked with liothyronine, triiodothyroacetic acid, tetraiodothyroacetic acid)		F0H411(28-Feb-19)	\$775.00
1367561	Linezolid (200 mg)	R072F0	R02930(28-Feb-19)	\$245.00
1369000	Lithium Carbonate (300 mg)	R037B0	G1J227(28-Feb-19)	\$245.00
1372050	Lysophosphatidylcholine (250 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R089F0	H0M385(28-Feb-19)	\$340.00
1375207	Maprotiline Hydrochloride (200 mg)	R05820	H1I303(28-Feb-19)	\$245.00
1379276	Melengestrol Acetate Related Compound B (25 mg) (6,16-Dimethylene-3,20-dioxopregn-4-en-17-yl acetate)	R09590	F0D306(28-Feb-19)	\$775.00
1396310	Metformin Related Compound A (30 mg) (1-Cyanoguanidine)	R072Y0	I0M479(28-Feb-19)	\$775.00
1411016	Methimazole Related Compound A (3 x 50 mg) (2,2-Dimethoxy-N-methylethanamine)	R08140	F00030(28-Feb-19)	\$835.00
1424109	Methyl Alcohol (3 x 1.5 mL)	R07490	H0M293(28-Feb-19)	\$240.00
1453504	Naltrexone (200 mg)	R064M0	H2I265(28-Feb-19)	\$245.00
1546445	Polyethylene Glycol 400 (1 g)	R078W0	R035N0(28-Feb-19)	\$275.00
1563320	Probucol Related Compound A (25 mg) (2,2',6,6'-tetra-tert-butylidiphenquinone)	R086R0	F3I391(28-Feb-19)	\$835.00
1600121	Rebaudioside A (500 mg)	R098K0	G1L011(28-Feb-19)	\$395.00
1604814	Ritonavir Related Compounds Mixture (50 mg)	R084A0	F2K283(28-Feb-19)	\$775.00
1613509	Sodium Ascorbate (200 mg)	R086S0	H0G289(28-Feb-19)	\$250.00

1642824	Tacrolimus 8-epimer (15 mg) (See USP Certificate for full Chemical Name)	R08680	F034W0(28-Feb-19)	\$970.00
1643340	Tartaric Acid (1 g)	R08460	G0L103(28-Feb-19)	\$275.00
1643419	Telmisartan (200 mg)	R085R0	G0L274(28-Feb-19)	\$245.00
1680685	Tributyl Phosphine Oxide (25 mg)	R092V0	F0H196(28-Feb-19)	\$250.00
1705334	Ubiquinol (5 x 50 mg)	R082D0	F012M0(28-Feb-19)	\$220.00
1722005	Xylose (1 g)	R089L0	R073K0(28-Feb-19)	\$240.00

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