

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Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter.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 June 27, 2018](#)

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

[No Longer Valid as of July 2018](#)

New Reference Standards Now Available

Catalog #	Description	Current Lot	Start Date#	Price
1059069	Benzphetamine Related Compound F (25 mg) ((1S,2S)-2-[Benzyl(methyl)amino]-1-cyclohexylpropan-1-ol hydrochloride)	F08880	13-Jun-18	\$895.00
1175773	Desvenlafaxine Succinate (200 mg) (1-[2-(Dimethylamino)-1-(4-hydroxyphenyl)ethyl]cyclohexanol hydrogen butanedioate monohydrate)	F076B0	21-Jun-18	\$440.00
1349740	Methoxsalen Related Compound B (25 mg) (4,9-Dimethoxy-7H-furo[3,2-g]chromen-7-one)	F089Y0	13-Jun-18	\$730.00
1606117	Rotigotine Related Compound C (25 mg) ((S)-6-[[2-(Thiophen-2-yl)ethyl]amino]-5,6,7,8-tetrahydronaphthalen-1-ol hydrochloride)	F086F0	13-Jun-18	\$895.00
1065345	Methoxsalen Related Compound A (25 mg) (4-Methoxy-7H-furo[3,2-g]chromen-7-one)	F089X0	21-Jun-18	\$825.00

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Items with Replacement Lots

Catalog #	Description	Current Lot	Previous Lot (Valid Use Date)	Price
1643394	Tazobactam Related Compound A (20 mg) ((2S,3S)-2-Amino-3-methyl-3-sulfinyl-4-(1H-1,2,3-triazol-1-yl)butyric acid)	R089H0	H0M371 (30-Jun-19)	\$805.00
1559006	Prednisone (250 mg)	R083A0	O0G356 (30-Jun-19)	\$230.00
1433008	Methylphenidate Hydrochloride CII (125 mg)	R082T0	R03510 (31-May-19)	\$245.00
1270446	Fexofenadine Related Compound C (25 mg) ((+/-)-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-butyl]-isopropylbenzene hydrochloride)	R083W0	R032J0 (30-Jun-19)	\$805.00
1144000	Codeine Phosphate CII (100 mg)	R074U0	L0K249 (30-Jun-19)	\$305.00
1076352	Bretylium Tosylate (200 mg)	R07470	G0I231 (31-May-19)	\$230.00
1435003	Methylprednisolone (200 mg)	R09850	I0E170 (31-Jul-18)	\$230.00
1356982	Letrozole Related Compound A (25 mg) (4,4'-(1H-1,3,4-triazol-1-ylmethylene)dibenzonitrile)	R089V0	I0M107 (30-Jun-19)	\$805.00
1351005	Isoproterenol Hydrochloride (125 mg)	R074B0	K (30-Sep-18)	\$185.00
1254508	Estriol (100 mg)	R007R1	R007R0 (30-Jun-19)	\$230.00
1118000	Chloroquine Phosphate (500 mg)	R075S0	J1L043 (30-Jun-18)	\$230.00
1076501	Bromocriptine Mesylate (150 mg)	R061M0	J0E206 (31-May-19)	\$230.00
1033000	Ampicillin (200 mg)	R084V0	K1M493 (28-Feb-19)	\$230.00
1444285	Mirtazapine Related Compound A (25 mg) (1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine)	R09320	F1K156 (30-Jun-19)	\$935.00
1138507	Clocortolone Pivalate (200 mg)	R063X0	R00480 (31-Aug-18)	\$230.00
1711031	Vasicine (20 mg)	R097T0	F0K182 (31-Jan-19)	\$235.00
1507002	Pentobarbital CII (200 mg)	R094V0	I0D359 (31-Jan-19)	\$305.00
1288317	Ganciclovir Related Compound A (15 mg) ((RS)-2-Amino-9-(2,3-dihydroxy-propoxymethyl)-1,9-dihydro-purin-6-one)	R093M0	R05590 (31-May-19)	\$1,030.00
1098388	Microcrystalline Cellulose (1 g)	R088Y0	F0D362 (30-Jun-19)	\$265.00

	(AS)			
1667406	Timolol Maleate (200 mg)	R090R0	I1K047 (30-Jun-19)	\$230.00
1227006	Doxylamine Succinate (300 mg)	R08200	I2M407 (30-Jun-19)	\$230.00
1585006	Pyrazinamide (200 mg)	R095W0	R030C0 (30-Jun-19)	\$230.00
1478516	Omeprazole Related Compound A (15 mg) (5-methoxy-2-[[[4-methoxy-3,5-dimethylpyridin-2-yl)methyl]sulfonyl]-1H-benzimidazole)	R091G0	R022U1 (30-Jun-19)	\$730.00

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Backorder Availability

Catalog #	Description	Estimated Availability
1612719	Tenivastatin Calcium (30 mg) (Calcium (3R,5R)-7-{{(1S,2S,6R,8S,8aR)-8-[(2,2-dimethylbutanoyl)oxy]-2,6-dimethyl-1,2,6,7,8,8a-hexahydronaphthalen-1-yl}-3,5-dihydroxyheptanoate (1:2) monohydrate)	Q3
1667643	Tigecycline (300 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	Q3
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD
1601703	Residual Solvent Class 2 - N-Methylpyrrolidone (1.2 mL/ampule; 3 ampules)	Q3
1612007	Sennosides (500 mg)	Q3
1279826	Fluoxetine Related Compound B (5 mL of a 0.01N HCl Solution, approx. 2 mg/mL) (N-Methyl-3-phenylpropylamine)	Q3
1479315	Oseltamivir Related Compound A (10 mg) ((3S,4R,5S)-ethyl 4-acetamido-5-amino-2-azido-3-(pentan-3-yloxy)cyclohexanecarboxylate)	Q3
1237509	Epitetracycline Hydrochloride (250 mg)	Q3
1241550	Ergotaminine (100 mg)	Q3
1257018	Ethambutol Related Compound A (15 mg) ((2R,2'S)-2,2'-[ethane-1,2-diylbis(azanediy)]dibutan-1-ol)	Q3
1051001	Benzalkonium Chloride (5 mL of approx. 10% aqueous solution)	Q4
1365021	Levothyroxine for Peak Identification (15 mg) (levothyroxine sodium spiked with liothyronine, triiodothyroacetic acid, tetraiodothyroacetic acid)	Q4
1157002	Cyclophosphamide (500 mg)	Q3
1358503	Leuprolide Acetate (200 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	Q3

1086866	Calcium (-)-Hydroxycitrate (150 mg)	Q3
1032007	Amphotericin B (125 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	Q3
1711100	Vasopressin (1.70 mg) (8-L-arginine vasopressin) (COLD SHIPMENT REQUIRED)	Q3
1134379	Clarithromycin (100 mg)	Q3
1530004	Phentolamine Mesylate (200 mg)	Q3
1291446	Ginger Constituent Mixture (0.2 mg) (6-gingerol and 6-shogaol)	Q3
1675007	Triacetin (1 g)	Q3
1612630	Silybin (50 mg)	Q3
1237600	Epoprostenol Sodium (100 mg) (COLD SHIPMENT REQUIRED)	Q3
1179628	Dextran 1 (50 mg)	Q3
1713004	Vinblastine Sulfate (50 mg)	Q3
1286209	Mafenide Related Compound A (50 mg) (4-Formylbenzenesulfonamide)	Q3
1228009	Drometrizole (25 mg) (2-(2H-Benzotriazol-2-yl)-p-cresol)	Q3
1071381	Biochanin A (20 mg)	Q3
1291559	Ginkgo Terpene Lactones (50 mg)	Q3
1106001	Chlorambucil (125 mg)	Q3
1035005	Anethole (4 x 0.5 mL)	Q3
1381119	Menaquinone-7 (3 x 50 mg) (Vitamin K2)	Q3
1098130	Ceftazidime Pentahydrate (300 mg)	Q3
1500400	Parthenolide (25 mg)	Q3
1282004	Fluphenazine Hydrochloride (125 mg)	Q3
1086006	Caffeine Melting Point Standard (1 g) (Approximately 236 degrees)	Q3
1724441	Ziprasidone Related Compound C (10 mg) (5,5'-Bis(2-(4-(benzo[d]isothiazol-3-yl)piperazin-1-yl)ethyl)-6,6'-dichloro-3-hydroxy-3,3'-biindoline-2,2'-dione)	Q3
1605512	Ropivacaine Related Compound A (25 mg) (2,6-dimethylaniline hydrochloride)	Q3
1614363	Sodium Lauryl Sulfate (1 g)	Q3
1543200	Piperine (20 mg)	Q3
1375502	Mebendazole (200 mg)	Q3
1600121	Rebaudioside A (500 mg)	Q3
1500003	Paromomycin Sulfate (125 mg)	Q3
1481204	Oxaliplatin (125 mg)	Q3
1330005	Hypromellose (250 mg) (Hydroxypropyl Methylcellulose)	Q3
1617420	Sotalol Related Compound B (50 mg) (N-(4-Formylphenyl)methanesulfonamide)	Q3
1424051	Methyl Acetate (1.2 mL/ampule; 3 ampules)	Q3
1578554	Prostaglandin B1 (25 mg) ((13E,15S)-15-Hydroxy-9-oxoprosta-8(12),13-dien-1-oic Acid)	Q3

1012178	5'-Adenylic Acid (500 mg)	Q3
1444235	Mirtazapine Related Compound B (25 mg) (1,2,3,4,10,14b-Hexahydro-2-methylpyrazino[2,1-a]pyrido[2,3-c][2]benzazepine 2-oxide monohydrate)	Q3
1185008	Diazepam CIV (100 mg)	Q3
1524001	Phenobarbital CIV (200 mg)	Q3
1430327	Methyl Linoleate (5 x 50 mg)	Q3
1422001	Methsuximide (500 mg)	Q3
1225281	Dorzolamide Hydrochloride (200 mg)	Q3
1098515	Celecoxib Related Compound A (10 mg) (4-[5-(3-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide)	Q3

*Dates are targets and may change at any time. Q1 January—March, Q2 April—June, Q3 July—September, Q4 October—December

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Previously Out of Stock Items Now Available

Catalog #	Description and Package Size	Lot	Price
1098388	Microcrystalline Cellulose (1 g) (AS)	R088Y0	\$265
1227006	Doxylamine Succinate (300 mg)	R08200	\$230
1071268	Powdered Bilberry Extract (500 mg)	R091Q0	\$335
1478378	Olmesartan Medoxomil Related Compound A (20 mg) (1-([2'-(1H-Tetrazol-5-yl)biphenyl-4-yl]methyl)-4,4-dimethyl-2-propyl-1H-furo[3,4-d]imidazol-6(4H)-one)	R089B0	\$730
1086006	Caffeine Melting Point Standard (1 g) (Approximately 236 degrees)	K3M218	\$155
1606117	Rotigotine Related Compound C (25 mg) ((S)-6-([2-(Thiophen-2-yl)ethyl]amino)-5,6,7,8-tetrahydronaphthalen-1-ol hydrochloride)	F086F0	\$895
1349740	Methoxsalen Related Compound B (25 mg) (4,9-Dimethoxy-7H-furo[3,2-g]chromen-7-one)	F089Y0	\$730
1013818	Alosetron Related Compound A (25 mg) (5-Methyl-2,3,4,5-tetrahydro-1H-pyrido[4,3-b]indol-1-one)	F074E0	\$795
1175773	Desvenlafaxine Succinate (200 mg) (1-[2-(Dimethylamino)-1-(4-hydroxyphenyl)ethyl]cyclohexanol hydrogen butanedioate monohydrate)	F076B0	\$440
1686310	Trifluridine Related Compound A (10 mg) (5-Carboxy-2'-deoxyuridine)	R081X0	\$805
1478516	Omeprazole Related Compound A (15 mg) (5-methoxy-2-[[[4-methoxy-3,5-dimethylpyridin-2-yl)methyl]sulfonyl]-1H-benzimidazole)	R091G0	\$730
1252003	Estradiol Cypionate (200 mg)	H1H309	\$230
1711031	Vasicine (20 mg)	R097T0	\$230
1118000	Chloroquine Phosphate (500 mg)	R075S0	\$230

1614363	Sodium Lauryl Sulfate (1 g)	R070F1	\$230
1268706	Etodolac (400 mg)	R08360	\$230
1492211	Palonosetron Enantiomer (15 mg) ((3aR)-2-[(3R)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one hydrochloride)	R089Q0	\$730
1062019	Benzyl Chloride (3 x 200 mg) ((Chloromethyl)benzene)	F03710	\$140
1581617	Pseudoisoeugenyl 2-Methylbutyrate (4 x 50 mg) ((E)-4-Methoxy-2-(prop-1-en-1-yl)phenyl 2-methylbutanoate)	F07170	\$275
1236890	Epinastine Related Compound A (25 mg) ((6,11-Dihydro-5H-dibenzo[b,e]azepin-6-yl)methanamine fumarate)	F087F0	\$825
1600121	Rebaudioside A (500 mg)	G1L011	\$380
1559505	Prednisone Tablets (30 tablets)	R072M0	\$285
1076501	Bromocriptine Mesylate (150 mg)	R061M0	\$230
1138507	Clocortolone Pivalate (200 mg)	R063X0	\$230
1535899	Phthalic Acid (50 mg)	R085N0	\$260
1507002305	Pentobarbital CII (200 mg)	R094V0	\$305
1604825	Rivastigmine Related Compound D (50 mg) (3-Acetylphenyl ethyl(methyl)carbamate)	R096P0	\$730
1538902	Pilocarpine Hydrochloride (200 mg)	R09030	\$230
1375502	Mebendazole (200 mg)	R042U0	\$230
1270446	Fexofenadine Related Compound C (15 mg) ((+/-)-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-butyl]-isopropylbenzene hydrochloride)	R032J0	\$805
1605512	Ropivacaine Related Compound A (25 mg) (2,6-dimethylaniline hydrochloride)	R023M0	\$730
1242032	Erythromycin Related Compound N (50 mg) (N-Demethylerythromycin A)	R085M0	\$805
1566001	Prochlorperazine Maleate (200 mg)	R091N0	\$230
1270446	Fexofenadine Related Compound C (15 mg) ((+/-)-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-butyl]-isopropylbenzene hydrochloride)	R083W0	\$805
1431625	Methyl Palmitoleate (3 x 100 mg)	R067L0	\$200
1029024	Amitriptyline Related Compound B (25 mg) (5-[3-(dimethylamino)propyl]-10,11-dihydro-5H-dibenzo[a,d]-cyclohepten-5-ol)	R083T0	\$805
1059069	Benzphetamine Related Compound F (25 mg) ((1S,2S)-2-[Benzyl(methyl)amino]-1-cyclohexylpropan-1-ol hydrochloride)	F08880	\$895
1097636	Cefepime Hydrochloride (500 mg)	R089A0	\$805
1706712	Urea Related Compound A (15 mg) (Dicarbonimidic diamide)	R085X0	\$695
1500003	Paromomycin Sulfate (125 mg)	H1J305	\$230
1667406	Timolol Maleate (200 mg)	I1K047	\$230
1478516	Omeprazole Related Compound A (15 mg) (5-methoxy-2-[[[(4-methoxy-3,5-dimethylpyridin-2-yl)methyl]sulfonyl]-1H-benzimidazole])	R022U1	\$730
1076352	Bretylium Tosylate (200 mg)	R07470	\$230

1437600	Methylsulfonylmethane (200 mg)	R09130	\$200
1254508	Estriol (100 mg)	R007R0	\$230
1265300	Ethyl 4-nitrobenzoate (40 mg)	F01511	\$715
1585006	Pyrazinamide (200 mg)	R030C0	\$230
1043003	Ascorbic Acid (1 g) (Vitamin C)	Y06390	\$230
1254508	Estriol (100 mg)	R007R1	\$230
1356982	Letrozole Related Compound A (25 mg) (4,4'-(1H-1,3,4-triazol-1-ylmethylene)dibenzonitrile)	R089V0	\$805
1288317	Ganciclovir Related Compound A (15 mg) ((RS)-2-Amino-9-(2,3-dihydroxy-propoxymethyl)-1,9-dihydro-purin-6-one)	R093M0	\$1,030
1033000	Ampicillin (200 mg)	R084V0	\$230
1444285	Mirtazapine Related Compound A (15 mg) (1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine)	R09320	\$935
1448640	Moxifloxacin Related Compound D (15 mg) (1-Cyclopropyl-8-fluoro-6-methoxy-1,4-dihydro-7-[(4aS,7aS)-octahydro-6H-pyrrolo[3,4-b]pyridin-6-yl]-4-oxo-3-quinolinecarboxylic acid)	R089R0	\$805
1554217	Pravastatin Related Compound A (10 mg) (Sodium (3R,5R)-3,5-dihydroxy-7-[(1S,2R,3S,8S,8aR)-3-hydroxy-2-methyl-8-[[[(2S)-2-methylbutanoyl]oxy]-1,2,3,7,8,8a-hexahydronaphthalen-1-yl]heptanoate)	R08280	\$805
1435003	Methylprednisolone (200 mg)	R09850	\$230
1683559	Triethylamine (2 mL/ampule; 4 ampules) (N,N-diethylethanamine)	R040E0	\$230
1140305	Clonazepam CIV (200 mg)	R008P0	\$305
1059014	Benzphetamine Related Compound A CIII (30 mg) ((R)-N-Benzyl-N-methyl-1-phenylpropan-2-amine hydrochloride)	F088A0	\$895
1315001	Hydrocodone Bitartrate CII (100 mg)	N21034	\$305
1559006	Prednisone (250 mg)	R083A0	\$230
1185008	Diazepam CIV (100 mg)	R005P0	\$305
1156167	Cyclopentylpropanoic Acid (25 mg) (3-Cyclopentylpropanoic acid)	F094P0	\$175
1430327	Methyl Linoleate (5 x 50 mg)	R055J0	\$200
1374500	Maleic Acid (300 mg)	R040J1	\$730
1479064	Orphenadrine Related Compound F (50 mg) (N,N-Dimethyl-2-[phenyl(p-tolyl)methoxy]ethanamine citrate)	F033E0	\$805
1065345	Methoxsalen Related Compound A (25 mg) (4-Methoxy-7H-furo[3,2-g]chromen-7-one)	F089X0	\$825
1351005	Isoproterenol Hydrochloride (125 mg)	R074B0	\$185
1546569	Polyethylene Glycol 4000 (1 g) (alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl))	R09400	\$265
1585006	Pyrazinamide (200 mg)	R095W0	\$230
1031558	Amoxicillin Related Compounds D and E Mixture (15 mg)	R08840	\$805
1724408	Ziprasidone Hydrochloride (200 mg)	R07370	\$230
1225281	Dorzolamide Hydrochloride (200 mg)	R036L0	\$230

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Items with New Package Size or New Description

Catalog #	Description	Lot	Old Size	New Size
1444285	Mirtazapine Related Compound A (15 mg) (1,2,3,4,10,14b-hexahydropyrazino[2,1-a]pyrido[2,3-c][2]benzazepine	R09320	N/A	N/A
1270446	Fexofenadine Related Compound C (15 mg) ((+/-)-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]-butyl]-isopropylbenzene hydrochloride	R083W0	N/A	N/A

Reference Lots that are No Longer Valid (VUD)

RS Lots That are No Longer Valid This table 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](#), and by downloading the free Reference Standards and Resources App

Catalog #	Description	Current Lot	Previous Lot	Unit Price
N/A	N/A	N/A	N/A	N/A