

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Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter.

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[New Reference Standards Now Available](#)

[Items With Replacement Lots](#)

[Backorder Availability Report As of May 28th 2019](#)

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

[No Longer Valid as of June 2019](#)

New Reference Standards Now Available

Catalog	Description	Current Lot	Start Date	Price
1076329	Brilliant Black PN (50 mg)	F093A0	21-May-19	\$395.00
1547991	Polypropylene Glycol 11 Stearyl Ether (500 mg)	F104B0	24-May-19	\$380.00
1643521	Terbutaline Related Compound D (25 mg) (2-[Benzyl(tert-butyl)amino]-1-(3,5-dihydroxyphenyl)ethan-1-one) (COLD SHIPMENT REQUIRED)	F087K0	30-May-19	\$775.00
1576016	Propranolol Related Compound A (25 mg) (3-(Naphthalen-1-yloxy)propane-1,2-diol)	F109X0	24-May-19	\$795.00

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Items with Replacement Lots

Catalog	Description	Current Lot	Previous Lot (Valid Use Date)	Price
1672927	Tranlycypromine Related Compound B (40 mg) ((E)-3-Phenylallylamine hydrochloride)	R113S0	F0I250 (31-Mar-20)	\$775.00
1294207	Glucosamine Hydrochloride (200 mg)	R104K1	G0M183 (30-Apr-20)	\$220.00
1225441	Doxazosin Related Compound B (20 mg) (6,7-dimethoxyquinazoline-2,4-dione)	R11040	F0H024 (31-May-20)	\$835.00
1150513	Cromolyn Related Compound A (25 mg) (1,3-bis(2-acetyl-3-hydroxyphenoxy) propan-2-ol)	R114X0	F1E045 (31-May-20)	\$835.00
1612018	Sennoside A (20 mg) ((9R,9'R)-5,5'-Bis(beta-d-glucopyranosyloxy)-4,4'-dihydroxy-10,10'-dioxo-9,9',10,10'-tetrahydro-9,9'-bianthracene-2,2'-dicarboxylic acid)	R106T0	G0M556 (30-Apr-20)	\$360.00
1494807	Pantolactone (500 mg)	R103N0	R04990 (30-Apr-20)	\$730.00
1432005	Methylparaben (125 mg)	R098B0	K1H071 (31-May-20)	\$225.00
1356949	Lauric Acid (500 mg)	R090W0	F0J174 (30-Nov-19)	\$240.00
1297216	Goserelin Related Compound A (10 mg) (4-D-Serine Goserelin, 1-(5-Oxo-L-prolyl-L-histidyl-L-tryptophyl-D-seryl-L-tyrosyl-O-tert-butyl-D-seryl-L-leucyl-L-arginyl-L-prolyl) semicarbazide) (COLD SHIPMENT REQUIRED)	R11010	F0H105 (30-Sep-19)	\$850.00
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	R10320	F0K231 (30-Nov-19)	\$210.00
1011709	Adapalene (200 mg)	R106E0	R03020 (30-Apr-20)	\$245.00
1672020	p-Toluenesulfonamide (200 mg)	R105R0	F0E162 (30-Apr-20)	\$390.00
1600846	Repaglinide Related Compound C (25 mg) ((S)-2-Ethoxy-4-[2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]amino]-2-oxoethyl] benzoic acid)	R117S0	H0L382 (31-May-20)	\$775.00
1547200	Polyoxyl 35 Castor Oil (1 g)	R107B0	G0K035 (30-Apr-20)	\$275.00
1392829	Mesna Related Compound B (50 mg) (2,2'-Disulfanediybis(ethane-1-sulfonic	F2I158	F1I158 (31-Mar-20)	\$775.00

	acid), dipotassium salt, crystal adduct with sodium chloride)			
1329913	5-Hydroxy-L-tryptophan (100 mg)	R120Q0	F001D0 (31-Dec-19)	\$245.00
1633007	Sulfanilamide Melting Point Standard (1 g) (Approximately 165 degrees)	R10910	R007N1 (31-Jan-20)	\$165.00
1399001	Methamphetamine Hydrochloride CII (125 mg)	R10450	I1G299 (31-May-20)	\$325.00
1356880	Lanolin (20 g)	R100E0	F (30-Nov-19)	\$230.00
1140101	Clomiphene Related Compound A (100 mg) ((E,Z)-2-[4-(1,2-Diphenylethenyl)phenoxy]-N,N-diethylethanamine hydrochloride (1:1))	R06401	R06400 (31-May-20)	\$835.00
1443500	Miconazole Nitrate (200 mg)	J2I153	J1I153 (30-Apr-20)	\$245.00
1724918	Zolpidem Related Compound A (15 mg) (N,N-Dimethyl-2-[7-methyl-2-p-tolylimidazo[1,2-a]pyridin-3-yl]acetamide)	R100U0	F0I065 (30-Apr-20)	\$835.00
1598744	Ranolazine (100 mg)	R11960	F002D0 (31-May-20)	\$245.00
1448027	Morphine Related Compound B CII (20 mg) (Pseudomorphine)	R104G0	F2M359 (30-Apr-20)	\$775.00
1418650	Methoxymethylguanine (20 mg)	R10650	F0H007 (30-Apr-20)	\$835.00
1134186	Cilostazol Related Compound C (50 mg) (1-(4-(1-Cyclohexyl-1H-tetrazol-5-yl)butyl)-6-(4-(1-cyclohexyl-1H-tetrazol-5-yl)butoxy)-3,4-dihydroquinolin-2(1H)-one)	R104W0	F0G074 (31-Mar-20)	\$835.00
1067307	Betamethasone Benzoate (200 mg)	R11700	G0J080 (31-Jan-20)	\$245.00
1604654	Risperidone (100 mg)	R105G0	R019F0 (31-Mar-20)	\$245.00
1437508	Methyl Stearate (300 mg)	R111J0	R061N0 (31-May-20)	\$280.00
1366002	Lidocaine (250 mg)	R10250	R013A0 (31-May-20)	\$245.00
1291548	Ginkgolic Acids (20 mg) (Mixture of ginkgolic acid C13:0, ginkgolic acid C15:1 and ginkgolic acid C17:1)	R082K0	R024B0 (30-Apr-20)	\$245.00
1103105	Cetyl Palmitate (50 mg)	G1H314	G0H314 (31-May-20)	\$265.00
1065480	Beta Carotene (7 x 100 mg) (COLD SHIPMENT REQUIRED)	R096S0	G0M537 (29-Feb-20)	\$245.00
1474005	Nortriptyline Hydrochloride (200 mg)	J1G063	J0G063 (31-May-20)	\$245.00

1368610	Lisinopril Related Compound A (250 mg) ((S)-2-((3S,8aS)-3-(4-aminobutyl)-1,4-dioxohexahydropyrrolo[1,2- alpha]pyrazin-2(1H)-yl)-4- phenylbutanoic acid)	R121C0	R079P0 (31-May- 20)	\$835.00
1287766	Galantamine Hydrobromide Racemic (15 mg)	R10970	F0G344 (30-Apr- 20)	\$760.00
1154569	Beta Cyclodextrin (500 mg)	R107N0	H1K030 (30-Apr- 20)	\$275.00

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Backorder Availability As of May 28, 2019

Catalog	Description	Estimated Availability
1011709	Adapalene (200 mg)	Q2
1042420	Argatroban Related Compound B (20 mg) (Ethyl (4R)-1-[N ⁸ -nitro-L-arginyl]-4-methylpiperidine-2-carboxylate dihydrochloride)	TBD
1065480	Beta Carotene (7 x 100 mg) (COLD SHIPMENT REQUIRED)	Q2
1071009	Bethanechol Chloride (200 mg)	Q3
1076308	Bleomycin Sulfate (15 mg)	Q3
1078325	Bumetanide Related Compound A (10 mg) (3-Amino-4-phenoxy-5-sulfamoylbenzoic Acid)	Q3
1081829	2-Butanol (1.2 mL/ampule; 3 ampules)	Q2
1091040	Caprylic Acid (300 mg)	Q3
1096509	Carboprost Tromethamine (30 mg)	Q3
1166003	Deferoxamine Mesylate (300 mg)	Q3
1171207	23-EPI-26-Deoxyactein (20 mg)	Q3
1171910	Desflurane Related Compound A (0.1 mL) (bis-(1,2,2,2-tetrafluoroethyl) ether)	Q3
1179741	Dextran 70 (50 mg)	Q3
1179876	Dextran 40 Calibration (100 mg)	Q3
1180004	Dextroamphetamine Sulfate CII (500 mg)	Q2
1235004	Emetine Hydrochloride (300 mg)	Q3
1235820	Enoxaparin Sodium (300 mg)	Q3
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	Q4
1292507	Glipizide (125 mg)	Q3
1301801	Guanethidine Monosulfate (200 mg)	Q3
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD

1345104	loversol (200 mg)	Q2
1367708	Linoleoyl Polyoxylglycerides (100 mg)	Q2
1483301	Oxfendazole (200 mg)	Q3
1492200	Palonosetron Hydrochloride (100 mg)	Q3
1492255	Palonosetron Related Compound D (15 mg) ((3aR)-2-[(3S)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[de]isoquinolin-1-one hydrochloride)	Q3
1514008	Phenacetin Melting Point Standard (1 g) (Approximately 135 degrees)	Q2
1535744	Phosphatidylethanolamine (100 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	TBD
1544508	Piroxicam (125 mg)	Q3
1548225	Potassium Citrate (1 g) (AS)	Q2
1551150	Potassium Sucrose Octasulfate (300 mg)	Q3
1598019	Rabeprazole Sodium (200 mg) (Sodium 2-[(R)-[[4-(3-methoxypropoxy)-3-methylpyridin-2-yl]methyl]sulfinyl]benzimidazol-1-ide hydrate)	Q2
1601281	Residual Solvents Class 2 - Mixture A (1.2 mL/ampule; 3 ampules)	Q2
1601292	Residual Solvents Class 2 - Mixture B (1.2 mL/ampule; 3 ampules)	Q2
1601780	Residual Solvent Class 2 - Tetralin (1.2 mL/ampule; 3 ampules)	Q3
1614705	Sodium Stearyl Fumarate (200 mg)	Q3
1651009	Tetracycline Hydrochloride (200 mg)	Q3
1664000	Thiotepa (500 mg)	Q2
1672100	Tomato Extract Containing Lycopene (1 g)	Q3
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)	Q3
1718041	Voriconazole Related Compound D (10 mg) ((2RS,3SR)-2-(2,4-difluorophenyl)-3-(pyrimidin-4-yl)-1-(1H-1,2,4-triazol-1-yl)butan-2-ol)	Q3

*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
1011709	Adapalene (200 mg)	R106E0	\$245.00
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	R10320	\$210.00
1065480	Beta Carotene (7 x 100 mg) (COLD SHIPMENT REQUIRED)	R096S0	\$245.00
1103105	Cetyl Palmitate (50 mg)	G1H314	\$265.00
1140101	Clomiphene Related Compound A (100 mg) ((E,Z)-2-[4-(1,2-Diphenylethenyl)phenoxy]-N,N-diethylethanamine hydrochloride (1:1))	R06401	\$835.00
1154569	Beta Cyclodextrin (500 mg)	R107N0	\$275.00
1287766	Galantamine Hydrobromide Racemic (15 mg)	R10970	\$760.00
1291548	Ginkgolic Acids (20 mg) (Mixture of ginkgolic acid C13:0, ginkgolic acid C15:1 and ginkgolic acid C17:1)	R082K0	\$245.00
1294207	Glucosamine Hydrochloride (200 mg)	R104K1	\$220.00
1297216	Goserelin Related Compound A (10 mg) (4-D-Serine Goserelin, 1-(5-Oxo-L-prolyl-L-histidyl-L-tryptophyl-D-seryl-L-tyrosyl-O-tert-butyl-D-seryl-L-leucyl-L-arginyl-L-prolyl) semicarbazide) (COLD SHIPMENT REQUIRED)	R11010	\$850.00
1329913	5-Hydroxy-L-tryptophan (100 mg)	R120Q0	\$245.00
1345104	loversol (200 mg)	R101C0	\$245.00
1356880	Lanolin (20 g)	R100E0	\$230.00
1356949	Lauric Acid (500 mg)	R090W0	\$240.00
1392829	Mesna Related Compound B (50 mg) (2,2'-Disulfanediylbis(ethane-1-sulfonic acid), dipotassium salt, crystal adduct with sodium chloride)	F2I158	\$775.00
1399001	Methamphetamine Hydrochloride CII (125 mg)	R10450	\$325.00
1418650	Methoxymethylguanine (20 mg)	R10650	\$835.00
1437508	Methyl Stearate (300 mg)	R111J0	\$280.00
1494807	Pantolactone (500 mg)	R103N0	\$730.00
1598744	Ranolazine (100 mg)	R11960	\$245.00
1600846	Repaglinide Related Compound C (25 mg) ((S)-2-Ethoxy-4-[2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl]amino]-2-oxoethyl] benzoic acid)	R117S0	\$775.00
1633007	Sulfanilamide Melting Point Standard (1 g) (Approximately 165 degrees)	R10910	\$165.00
1672927	Tranlycypromine Related Compound B (40 mg) ((E)-3-Phenylallylamine hydrochloride)	R113S0	\$775.00

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
1012178	5'-Adenylic Acid (500 mg)	R08510	F0J204(30-Jun-19)	\$235.00
1098515	Celecoxib Related Compound A (10 mg) (4-[5-(3-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide)	R091W0	R008U0(30-Jun-19)	\$775.00
1134404	Clavam-2-carboxylate Potassium (2 mg)	L2L187	L1L187(30-Jun-19)	\$835.00
1140305	Clonazepam CIV (200 mg)	R074V0	R008P0(30-Jun-19)	\$325.00
1144000	Codeine Phosphate CII (100 mg)	R074U0	L0K249(30-Jun-19)	\$325.00
1161586	Cystine (200 mg)	F2M308	F1M308(30-Jun-19)	\$290.00
1162421	Daidzein (25 mg)	R090P0	F0H362(30-Jun-19)	\$220.00
1185008	Diazepam CIV (100 mg)	R079N0	R005P0(30-Jun-19)	\$325.00
1220302	Dipivefrin Hydrochloride (200 mg)		I(30-Jun-19)	\$245.00
1225281	Dorzolamide Hydrochloride (200 mg)	R095U0	R036L0(30-Jun-19)	\$245.00
1227006	Doxylamine Succinate (300 mg)	R08200	I2M407(30-Jun-19)	\$245.00
1269389	Felodipine (300 mg)	R079J0	H0I178(30-Jun-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)	\$835.00
1295800	Glycine (200 mg)	H1L015	H0L015(30-Jun-19)	\$290.00
1330005	Hypromellose (250 mg) (Hydroxypropyl Methylcellulose)	R08850	H1H066(30-Jun-19)	\$275.00
1344735	Iopamidol Related Compound B (50 mg) (5-Glycolamido-N,N'-bis[2-hydroxy-1-	R07560	G0K118(30-Jun-19)	\$775.00

	(hydroxymethyl)ethyl]-2,4,6-triiodoisophthalamide)			
1356982	Letrozole Related Compound A (25 mg) (4,4'-(1H-1,3,4-triazol-1-ylmethylene)dibenzonitrile)	R089V0	I0M107(30-Jun-19)	\$835.00
1362125	Levofloxacin Related Compound B (35 mg) ((S)-9,10,difluoro-3-methyl-7-oxo-2,3-dihydro-7H-pyrido[1,2,3-de][1,4]benzoxazine-6-carboxylic acid)	R088A0	G0M041(30-Jun-19)	\$775.00
1375502	Mebendazole (200 mg)	R096E0	R042U0(30-Jun-19)	\$245.00
1422001	Methsuximide (500 mg)	R102R0	F-2(30-Jun-19)	\$245.00
1424007	Methyclothiazide (200 mg)	R074T0	G1H341(30-Jun-19)	\$230.00
1424051	Methyl Acetate (1.2 mL/ampule; 3 ampules)	R06450	G0L454(30-Jun-19)	\$240.00
1430327	Methyl Linoleate (5 x 50 mg)	R094E0	R055J0(30-Jun-19)	\$220.00
1098388	Microcrystalline Cellulose (1 g)	R088Y0	F0D362(30-Jun-19)	\$275.00
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)	\$995.00
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)	R08910	F0K117(30-Jun-19)	\$775.00
1457630	Nateglinide Related Compound C (20 mg) (N-(cis-4-isopropylcyclohexanecarbonyl)-D-phenylalanine)	R09720	F0I014(30-Jun-19)	\$775.00
1478516	Omeprazole Related Compound A (15 mg) (5-methoxy-2-[[[4-methoxy-3,5-dimethylpyridin-2-yl)methyl]sulfonyl]-1H-benzimidazole)	R11280	R022U1(30-Jun-19)	\$775.00
1479064	Orphenadrine Related Compound F (50 mg) (N,N-Dimethyl-2-[phenyl(p-tolyl)methoxy]ethanamine citrate)	R081C0	F033E0(30-Jun-19)	\$835.00
1481204	Oxaliplatin (125 mg)	R09690	R006C0(30-Jun-19)	\$1,255.00
1500003	Paromomycin Sulfate (125 mg)	R090Y0	H1J305(30-Jun-19)	\$255.00
1500003	Paromomycin Sulfate (125 mg)	R090Y0	H1J305(30-Jun-19)	\$255.00
1500003	Paromomycin Sulfate (125 mg)	R090Y0	H1J305(30-Jun-19)	\$255.00
1524001	Phenobarbital CIV (200 mg)	R090B0	K0H134(30-Jun-19)	\$325.00
1543200	Piperine (20 mg)	R10280	F0L087(30-Jun-19)	\$215.00
1559006	Prednisone (250 mg)	R083A0	O0G356(30-Jun-19)	\$245.00
1559505	Prednisone Tablets (30 tablets)	R072M1	R072M0(30-Jun-19)	\$285.00
1561507	Primaquine Phosphate (200 mg)	R100R0	G0J115(30-Jun-19)	\$245.00
1578554	Prostaglandin B1 (25 mg) ((13E,15S)-15-Hydroxy-9-oxoprostanoic acid)	R080M0	G0M011(30-Jun-19)	\$2,135.00
1585006	Pyrazinamide (200 mg)	R095W0	R030C0(30-Jun-19)	\$245.00

1605512	Ropivacaine Related Compound A (25 mg) (2,6-dimethylaniline hydrochloride)	R110V0	R023M0(30-Jun-19)	\$775.00
1614363	Sodium Lauryl Sulfate (1 g)	R100F0	R070F1(30-Jun-19)	\$245.00
1643394	Tazobactam Related Compound A (20 mg) ((2S,3S)-2-Amino-3-methyl-3-sulfin-4-(1H-1,2,3-triazol-1-yl)butyric acid)	R089H0	H0M371(30-Jun-19)	\$835.00
1667406	Timolol Maleate (200 mg)	R090R0	I1K047(30-Jun-19)	\$245.00
1683559	Triethylamine (2 mL/ampule; 4 ampules) (N,N-diethylethanamine)	R077U0	R040E0(30-Jun-19)	\$245.00
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)		F0G180(30-Jun-19)	\$835.00
1711224	Vecuronium Bromide Related Compound F (15 mg) (Piperidinium, 1-[(2beta, 3alpha, 5alpha, 16beta, 17beta)-17-acetyloxy-3-hydroxy-2-(1-piperidinyl)androstan-16-yl]-1-methyl bromide)	R104L0	F0G178(30-Jun-19)	\$775.00
1727053	Zolmitriptan Related Compound D (20 mg) ((S)-Ethyl 3-[2-(dimethylamino)ethyl]-5-[(2-oxooxazolidin-4-yl)methyl]-1H-indole-2-carboxylate) DISCONTINUED		F0K151(30-Jun-19)	\$805.00

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