

Reference Standards Tables July 2019

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Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter.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 June 25th, 2019](#)

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

[No Longer Valid as of July 2019](#)

New Reference Standards Now Available

Catalog	Description	Current Lot	Start Date	Unit Price
1613462	Sodium Alginate (100 mg)	F109N0	24-Jun-19	\$275.00
1615887	Sorafenib Related Compound H (25 mg) (4-(4-{3-[2-Chloro-3-(trifluoromethyl)phenyl]ureido}phenoxy)-N-methylpicolinamide)	F10520	10-Jun-19	\$975.00
1652169	Tetraxetan Related Compound A (25 mg) (2,2',2''-[10-(2-Ethoxy-2-oxoethyl)-1,4,7,10-tetraazacyclododecane-1,4,7-triyl]triacetic acid)	F098A0	6-Jun-19	\$750.00
1445584	2-Mononitroglycerin (2 ampules x 1 mL)	F091S0	5-Jun-19	\$750.00
1547110	Polyglycerol (250 mg)	F10340	18-Jun-19	\$225.00
1548156	Potassium Alginate (100 mg)	F109K0	24-Jun-19	\$275.00

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Items with Replacement Lots

Catalog	Description	Current Lot	Previous Lot (Valid Use Date)	Unit Price
1672610	Tramadol Related Compound A CIV (25 mg) ((RS,SR)-1-(3-Methoxyphenyl)-2-(dimethylaminomethyl)cyclohexanol hydrochloride)	R11490	R01610 (31-May-20)	\$775.00
1613564	Sodium Benzoate (1 g)	R08641	R08640 (30-Apr-20)	\$265.00
1345104	Ioversol (200 mg)	R101C0	F (31-Jan-20)	\$245.00
1044582	Atorvastatin Related Compound H (20 mg) (Lactone Impurity, 5-(4-Fluorophenyl)-1-{2-[(2R, 4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl}-2-isopropyl-N,4-diphenyl-1H-pyrrole-3-carboxamide)	R108G0	R04610 (31-May-20)	\$775.00
1643420	Telmisartan Related Compound A (20 mg) (1,7'-dimethyl-2'-propyl-1H,3'H-2,5'-bibenzo[d]imidazole monohydrate)	R10870	F1I326 (30-Jun-20)	\$775.00
1441243	Metoprolol Related Compound B (100 mg) ((+/-)1-Chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]-propane)	R107L0	H1L531 (31-May-20)	\$895.00
1107300	Chloramphenicol Palmitate (200 mg)	R11210	H0G266 (30-Apr-20)	\$245.00
1068004	Betamethasone Sodium Phosphate (500 mg)	R11420	R004E0 (31-May-20)	\$245.00
1269979	Fentanyl Related Compound G Cl (10 mg) (N-(1-Phenethylpiperidin-4-yl)-N-phenylacetamide)	F1H407	F0H407 (30-Apr-20)	\$775.00
1171207	23-EPI-26-Deoxyactein (20 mg)	R114B0	R03180 (30-Apr-20)	\$965.00
1548225	Potassium Citrate (1 g)	R082Y0	F0D201 (31-May-20)	\$240.00
1235004	Emetine Hydrochloride (300 mg)	R113N0	H0B201 (30-Nov-19)	\$230.00
1093001	Carbamazepine (100 mg)	R10260	R058M0 (30-Jun-20)	\$245.00
1081829	2-Butanol (1.2 mL/ampule; 3 ampules)	R09520	R006S0 (30-Apr-20)	\$245.00
1664000	Thiotepa (500 mg)	R11380	R046R0 (30-Apr-20)	\$245.00
1601281	Residual Solvents Class 2 - Mixture A (1.2 mL/ampule; 3 ampules)	R08520	R058X0 (30-Apr-20)	\$245.00
1598019	Rabeprazole Sodium (250 mg) (2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridyl]methyl]sulfinyl]benzimidazole sodium salt, hydrate)	R103E0	R00940 (29-Feb-20)	\$405.00
1492200	Palonosetron Hydrochloride (100 mg)	R11020	F02750 (30-Apr-20)	\$245.00
1614705	Sodium Stearyl Fumarate (200 mg)	R10820	H0M039 (31-May-20)	\$265.00
1605500	Ropivacaine Hydrochloride (200 mg)	R101P0	R047V0 (30-Jun-20)	\$245.00
1180004	Dextroamphetamine Sulfate CII (500 mg)	R102M0	R062C0 (30-Apr-20)	\$340.00

1717708	Vitexin (25 mg) ((1S)-1,5-Anhydro-1-[5,7-dihydroxy-2-(4-hydroxyphenyl)-4-oxo-4H-chromen-8-yl]-D-glucitol)	R096B0	R049C0 (30-Jun-20)	\$670.00
1367708	Linoleoyl Polyoxylglycerides (150 mg)	R109J0	F0C283 (31-Jan-20)	\$265.00
1356858	Lamivudine Resolution Mixture B (10 mg) (This is a mixture of lamivudine (about 94%) and lamivudine diastereomer (about 6%))	R09280	R013V0 (31-May-20)	\$775.00
1067001	Betamethasone Acetate (500 mg)	R10160	L0L112 (30-Jun-20)	\$245.00

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Backorder Availability As of June 25, 2019

Catalog	Description	Estimated Availability
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD
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)	September-19
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	October-19
1483301	Oxfendazole (200 mg)	July-19
1042420	Argatroban Related Compound B (20 mg) (Ethyl (4R)-1-[N ⁸ -nitro-L-arginyl]-4-methylpiperidine-2-carboxylate dihydrochloride)	TBD
1544508	Piroxicam (125 mg)	September-19
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)	August-19
1514008	Phenacetin Melting Point Standard (1 g) (Approximately 135 degrees)	July-19
1171910	Desflurane Related Compound A (0.1 mL) (bis-(1,2,2,2-tetrafluoroethyl) ether)	August-19
1166003	Deferoxamine Mesylate (300 mg)	August-19
1601780	Residual Solvent Class 2 - Tetralin (1.2 mL/ampule; 3 ampules)	September-19
1301801	Guanethidine Monosulfate (200 mg)	July-19
1292507	Glipizide (125 mg)	August-19
1076308	Bleomycin Sulfate (15 mg)	July-19
1235820	Enoxaparin Sodium (300 mg)	August-19

1535744	Phosphatidylethanolamine (100 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	TBD
1601292	Residual Solvents Class 2 - Mixture B (1.2 mL/ampule; 3 ampules)	July-19
1179741	Dextran 70 (50 mg)	September-19
1071009	Bethanechol Chloride (200 mg)	August-19
1551150	Potassium Sucrose Octasulfate (300 mg)	August-19
1096509	Carboprost Tromethamine (30 mg)	September-19
1672100	Tomato Extract Containing Lycopene (1 g)	August-19
1179876	Dextran 40 Calibration (100 mg)	July-19
1091040	Caprylic Acid (300 mg)	September-19
1651009	Tetracycline Hydrochloride (200 mg)	July-19
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)	August-19
1179720	Dextran 40 System Suitability (200 mg)	August-19
1443250	Mexiletine Hydrochloride (200 mg)	September-19
1604814	Ritonavir Related Compounds Mixture (50 mg)	September-19
1177000	Dexamethasone Phosphate (500 mg)	August-19
1504900	Pentamidine Isethionate (200 mg)	August-19
1365000	Levothyroxine (500 mg)	August-19
1614807	Sodium Sulfate Anhydrous (1 g)	August-19
1096826	Castor Oil (3 x 100 mg) (Mixture containing about 92% of Triricinolein)	July-19
1427005	Methyldopate Hydrochloride (200 mg)	TBD
1667370	Tilmicosin (250 mg)	September-19
1441200	Metolazone (200 mg)	July-19
1362500	Levonordefrin (200 mg)	September-19
1150115	Cosyntropin Acetate (1.69 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED) (alpha1-24-Corticotropin)	September-19
1724838	Zoledronic Acid Related Compound A (30 mg) (2-(1H-Imidazol-1-yl)acetic acid)	July-19
1364007	Levorphanol Tartrate CII (500 mg)	TBD
1564006	Procaine Hydrochloride (200 mg)	July-19
1643601	Tenofovir (15 mg)	August-19
1086200	Calcitonin Salmon (20 mg) (COLD SHIPMENT REQUIRED)	October-19
1614716	Anhydrous Sodium Succinate (250 mg)	August-19

*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
1068004	Betamethasone Sodium Phosphate (500 mg)	R11420	\$245.00
1081829	2-Butanol (1.2 mL/ampule; 3 ampules)	R09520	\$245.00
1598019	Rabeprazole Sodium (250 mg) (2-[[[4-(3-Methoxypropoxy)-3-methyl-2-pyridyl]methyl]sulfinyl]benzimidazole sodium salt, hydrate)	R103E0	\$405.00
1235004	Emetine Hydrochloride (300 mg)	R113N0	\$230.00
1367708	Linoleoyl Polyoxylglycerides (150 mg)	R109J0	\$265.00
1672610	Tramadol Related Compound A CIV (25 mg) ((RS,SR)-1-(3-Methoxyphenyl)-2-(dimethylaminomethyl)cyclohexanol hydrochloride)	R11490	\$775.00
1171207	23-EPI-26-Deoxyactein (20 mg)	R114B0	\$965.00
1082640	Butyl Isothiocyanate (1 mL)	F023Y1	\$215.00
1067001	Betamethasone Acetate (500 mg)	R10160	\$245.00
1084215	Allyl Butyrate (5 x 0.5 mL)	F1L017	\$235.00
1492200	Palonosetron Hydrochloride (100 mg)	R11020	\$245.00
1180004	Dextroamphetamine Sulfate CII (500 mg)	R102M0	\$340.00
1044582	Atorvastatin Related Compound H (20 mg) (Lactone Impurity, 5-(4-Fluorophenyl)-1-{2-[(2R, 4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl]ethyl}-2-isopropyl-N,4-diphenyl-1H-pyrrole-3-carboxamide)	R108G0	\$775.00
1441243	Metoprolol Related Compound B (100 mg) ((+/-)-1-Chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]-propane)	R107L0	\$895.00
1601281	Residual Solvents Class 2 - Mixture A (1.2 mL/ampule; 3 ampules)	R08520	\$245.00
1664000	Thiotepa (500 mg)	R11380	\$245.00
1107300	Chloramphenicol Palmitate (200 mg)	R11210	\$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
1011878	Adrenalone Hydrochloride (25 mg) (3',4'-Dihydroxy-2-(methylamino)acetophenone hydrochloride)	R093D0	F032A0(31-Jul-19)	\$835.00
1012780	Alendronate Sodium (200 mg)	R09630	H0H004(31-Jul-19)	\$245.00
1021000	Aminocaproic Acid (200 mg)	R09420	I0M248(31-Jul-19)	\$245.00
1031558	Amoxicillin Related Compounds D and E Mixture (15 mg)	R08840	F0J382(31-Jul-19)	\$835.00
1042780	Artemether (100 mg)	R098G0	H0M313(31-Jul-19)	\$245.00
1043003	Ascorbic Acid (1 g) (Vitamin C)	Y06390	R1K253(31-Jul-19)	\$250.00
1043003	Ascorbic Acid (1 g) (Vitamin C)	Y06390	R1K253(31-Jul-19)	\$250.00
1043003	Ascorbic Acid (1 g) (Vitamin C)	Y06390	R1K253(31-Jul-19)	\$250.00
1045009	Atropine Sulfate (500 mg)	R07980	R01050(31-Jul-19)	\$245.00
1078518	Bupivacaine Related Compound A (50 mg) (6-(butylamino)-N-(2,6-dimethylphenyl)hexanamide) (AS)	F1F154	F0F154(31-Jul-19)	\$775.00
1102974	Cetrimonium Bromide (1 g)	R093Y0	F0F316(31-Jul-19)	\$265.00
1151866	Curcuminoids (300 mg)	R094N0	F0H161(31-Jul-19)	\$220.00
1158650	Cyclosporine Resolution Mixture (25 mg) (This material is an approximate 100:1 (w/w) mixture of cyclosporine and cyclosporine U)	R082X0	R063L0(31-Jul-19)	\$655.00
1171003	Denatonium Benzoate (200 mg)	R086X0	R020M0(31-Jul-19)	\$245.00
1233508	Edetic Acid (200 mg)	R08860	F2H030(31-Jul-19)	\$265.00
1235933	Entacapone (200 mg)	R040K0	F1L210(31-Jul-19)	\$470.00
1261004	Ethionamide (200 mg)	R096T0	H0B148(31-Jul-19)	\$245.00
1274607	Flunixin Meglumine (300 mg)	H1E241	H0E241(31-Jul-19)	\$245.00
1285760	Flurbiprofen Related Compound A (100 mg) (2-(4-Biphenyl)propionic Acid)	R081D0	I0G406(31-Jul-19)	\$835.00
1287518	Gadodiamide Related Compound A (25 mg) (gadolinium sodium diethylenetriamine pentaacetic acid monomethylamide)	R04030	F(31-Jul-19)	\$730.00
1315001	Hydrocodone Bitartrate CII (100 mg)	N2I034	N1I034(31-Jul-19)	\$325.00
1355006	Kanamycin Sulfate (200 mg)	R088K0	R01190(31-Jul-19)	\$245.00
1356009	Ketamine Hydrochloride CIII (250 mg)	R083G0	I0J272(31-Jul-19)	\$325.00
1361010	Levodopa Related Compound A (50 mg) (3-(2,4,5-Trihydroxyphenyl)-L-alanine) (COLD SHIPMENT REQUIRED)	R09510	R044N0(31-Jul-19)	\$835.00

1374500	Maleic Acid (300 mg)	R040J1	R040J0(31-Jul-19)	\$775.00
1377803	Meclofenamate Sodium (500 mg)	R098V0	H(31-Jul-19)	\$245.00
1395204	Metacresol (1 mL)	R088S0	R02881(31-Jul-19)	\$245.00
1398009	Methadone Hydrochloride CII (200 mg)	R082A0	JOL220(31-Jul-19)	\$325.00
1409003	Methenamine (500 mg)	H1C047	HOC047(31-Jul-19)	\$245.00
1437600	Methylsulfonylmethane (200 mg)	R09130	F0F298(31-Jul-19)	\$220.00
1443919	Milrinone Related Compound A (50 mg) (1,6-Dihydro-2-methyl-6-oxo(3,4'-bipyridine)-5-carboxamide)	R094U0	F0C051(31-Jul-19)	\$775.00
1457469	Naratriptan Hydrochloride (125 mg)	R08470	G0I229(31-Jul-19)	\$325.00
1478480	Omeprazole Related Compound B (15 mg) (5-Methoxy-1H-benzimidazol-2-thiol)	R074N0	R03690(31-Jul-19)	\$775.00
1478527	Omeprazole Related Compound E (15 mg) (4-Methoxy-2-[[[(RS)-(5-methoxy-1H-benzimidazol-2-yl)sulfinyl]methyl]-3,5-dimethylpyridine 1-oxide])	R04731	R04730(31-Jul-19)	\$775.00
1478561	Omeprazole Related Compound I (15 mg) (4-Methoxy-2-[[[(5-methoxy-1H-benzimidazol-2-yl)sulfonyl]methyl]-3,5-dimethylpyridine 1-oxide])	R074M1	R074M0(31-Jul-19)	\$835.00
1535019	Phenytoin Related Compound A (50 mg) (2,2-Diphenylglycine)	G1M303	G0M303(31-Jul-19)	\$835.00
1538902	Pilocarpine Hydrochloride (200 mg)	R09030	R033R0(31-Jul-19)	\$245.00
1539009	Pilocarpine Nitrate (200 mg)	R098S0	R06410(31-Jul-19)	\$245.00
1565009	Procarbazine Hydrochloride (200 mg)	F2K338	F1K338(31-Jul-19)	\$245.00
1573007	Propoxycaine Hydrochloride (200 mg) DISCONTINUED		F1I011(31-Jul-19)	\$245.00
1598020	Rabeprazole Related Compound A (25 mg) (1-(1H-Benzimidazol-2-yl)-3-methyl-4-oxo-1,4-dihydropyridine-2-carboxylate, sodium salt)	R023B0	FOL165(31-Jul-19)	\$835.00
1613655	Sodium Bicarbonate (3 g)	R090L0	G0M440(31-Jul-19)	\$245.00
1642100	Sulisobenzone (500 mg)	R09800	F0F074(31-Jul-19)	\$270.00
1649007	Testosterone Propionate CIII (200 mg)	R07570	M0J023(31-Jul-19)	\$325.00
1686310	Trifluridine Related Compound A (10 mg) (5-Carboxy-2'-deoxyuridine)	R081X0	R056X0(31-Jul-19)	\$835.00
1696109	Triprolidine Hydrochloride Z-Isomer (50 mg)	R090E0	I0M185(31-Jul-19)	\$775.00
1707908	Valerenic Acid (30 mg)	R087L0	R008G0(31-Jul-19)	\$895.00
1712023	Vigabatrin Related Compound B (30 mg) ((E)-2-(2-aminoethyl)but-2-enoic acid hydrochloride)	R112T0	FOL109(31-Jul-19)	\$835.00

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