

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Standards released in the last month; backordered items with estimated availability dates; items with lots that are no longer valid (or soon will be invalid); and items with new lots since the last newsletter.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 December 4, 2018](#)

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

[No Longer Valid as of December 2018](#)

New Reference Standards Now Available

Catalog	Description	Current Lot	Start Date#	Price
N/A	N/A	N/A	N/A	N/A

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Items with Replacement Lots

Catalog	Description	Current Lot	Previous Lot	Price
1270821	Flecainide Related Compound A (75 mg) (3-[2,5-Bis(2,2,2-trifluoroethoxy)phenyl]-1,5,6,7,8,8alpha-hexahydroimidazo-[1,5alpha]pyridine hydrochloride)	R047E1	R047E0 (28-Feb-19)	\$775.00
1235128	Emtricitabine System Suitability Mixture A (15 mg)	R090X0	R039Y0 (30-Nov-19)	\$775.00
1643292	Racemethionine (200 mg)	F1J246	F0J246 (31-Oct-19)	\$265.00
1642813	Tacrolimus Related Compound A (15 mg) (See USP Certificate for full Chemical Name)	R09700	R053N0 (31-Aug-19)	\$905.00
1413999	Methotrexate System Suitability Mixture (5 mg)	R09880	F1J403 (30-Nov-19)	\$775.00
1287325	Gabapentin Related Compound A (50 mg)	R09870	R057B0 (31-Dec-	\$775.00

	(2-Azaspiro[4.5]decan-3-one)		19)	
1044651	Atovaquone (200 mg)	R11150	R003Y0 (31-Oct-19)	\$245.00
1392829	Mesna Related Compound B (50 mg) (2,2'-Disulfanediybis(ethane-1-sulfonic acid), dipotassium salt, crystal adduct with sodium chloride)	F11158	F01158 (30-Nov-19)	\$775.00
1285829	Fluticasone Propionate Related Compound D (15 mg) (S-methyl 6alpha, 9alpha-difluoro-11beta-hydroxy-16alpha-methyl-3-oxo-17alpha-propionyloxyandrosta-1,4-diene-17beta-carbothioate)	R079K0	F019M0 (31-Oct-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
1392818	Mesna Related Compound A (50 mg) (2-(Acetylthio)ethane-1-sulfonic acid, potassium salt, crystal adduct with potassium chloride)	F11157	F01157 (30-Nov-19)	\$775.00
1491809	Paliperidone (200 mg)	R096L0	R013H0 (30-Nov-19)	\$545.00

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Backorder Availability As of December 4, 2018

Item No.	Description	Estimated Availability
1325005	Hydroxyamphetamine Hydrobromide (200 mg)	TBD
1365021	Levothyroxine for Peak Identification (15 mg) (levothyroxine sodium spiked with liothyronine, triiodothyroacetic acid, tetraiodothyroacetic acid)	Q1
1291446	Ginger Constituent Mixture (0.2 mg) (6-gingerol and 6-shogaol)	Q4
1612630	Silybin (50 mg)	Q4
1713004	Vinblastine Sulfate (50 mg)	Q1
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)	Q1
1605512	Ropivacaine Related Compound A (25 mg) (2,6-dimethylaniline hydrochloride)	Q4
1151866	Curcuminoids (300 mg)	Q1

1274607	Flunixin Meglumine (300 mg)	Q1
1342208	Insulin (Beef) (50 mg) (COLD SHIPMENT REQUIRED)	TBD
1711009	Vanillin Melting Point Standard (1 g) (Approximately 82 degrees)	Q1
1712023	Vigabatrin Related Compound B (30 mg) ((E)-2-(2-aminoethyl)but-2-enoic acid hydrochloride)	Q1
1280009	Fluoxymesterone CIII (200 mg)	Q4
1044516	Atorvastatin Calcium (100 mg)	Q1
1491296	Oxytocin Identification (15 mg) (COLD SHIPMENT REQUIRED)	Q1
1445404	Modafinil CIV (200 mg)	Q1
1154591	Gamma Cyclodextrin (200 mg)	Q4
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)	Q4
1669004	Tolazoline Hydrochloride (300 mg)	Q1
1450007	Nafcillin Sodium (200 mg)	Q1
1297250	Goserelin System Suitability Mixture (1.0 mg) (COLD SHIPMENT REQUIRED)	Q1
1265402	Ethyl Acetate (1.2 mL/ampule; 3 ampules)	Q1
1298004	Gramicidin (200 mg)	Q1
1510051	Pepsin for Assay (5 x 1 g) (COLD SHIPMENT REQUIRED)	Q1
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)	Q4
1286107	Formoterol Fumarate (200 mg)	Q4
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)	Q1
1667290	Tiamulin Fumarate (250 mg)	Q1
1643292	Racemethionine (200 mg)	Q4
1150502	Cromolyn Sodium (500 mg)	Q1
1095506	Carbidopa (400 mg)	Q1
1488000	Oxymorphone CII (300 mg)	Q4
1709007	Vancomycin Hydrochloride (4 vials, each vial contains 98,800 mcg of vancomycin activity)	Q1
1180026	Dextroamphetamine Related Compound B CII (25 mg) (Phenyl acetone)	Q1
1009005	Acetylcysteine (200 mg)	Q4
1375003	Maltol (500 mg)	Q4
1491809	Paliperidone (200 mg)	Q4
1040854	Apocarotenal (3 x 50 mg) (Beta-Apo-8'-Carotenal)	Q1
1096644	Carvedilol Related Compound B (15 mg) (3,3'-(2-(2-methoxyphenoxy)ethylazanediy)bis(1-(9H-carbazol-4-yloxy)propan-2-ol))	Q1
1270435	Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)	Q4
1297205	Goserelin Acetate (100 mg) (COLD SHIPMENT REQUIRED)	Q1
1285829	Fluticasone Propionate Related Compound D (15 mg) (S-methyl	Q1

	6alpha, 9alpha-difluoro-11beta-hydroxy-16alpha-methyl-3-oxo-17alpha-propionyloxyandrosta-1,4-diene-17beta-carbothioate)	
1444300	Misoprostol (100 mg)	Q1
1643962	Teriparatide (1 mg) (COLD SHIPMENT REQUIRED)	Q1
1570439	2-Propanol System Suitability (3 x 1 mL)	Q4
1296086	Glycopyrrolate Related Compound I (15 mg) ((RS)-3-[(SR)-2-(4-Chlorophenyl)-2-cyclopentyl-2-hydroxyacetoxy]-1,1-dimethylpyrrolidin-1-ium bromide)	Q4
1242000	Erythromycin (250 mg)	Q1
1481248	Oxaliplatin Related Compound D (10 mg) (cis-[(1S,2S)-1,2-cyclohexanediamine-N,N'] [oxalato(2-)-O,O']platinum)	Q4
1356949	Lauric Acid (500 mg)	Q1
1098195	Ceftriaxone Sodium E-Isomer (25 mg)	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
1000612	Acebutolol Related Compound A (20 mg) (N-(3-acetyl-4-hydroxyphenyl) butanamide)	F1G041	\$ 775.00
1019803	Aminobenzoic Acid (200 mg) (p-aminobenzoic acid)	R095Q0	\$ 245.00
1067704	Betamethasone Dipropionate (125 mg)	R02220	\$ 200.00
1096509	Carboprost Tromethamine (30 mg)	R102Q0	\$ 760.00
1097658	Cefixime (500 mg)	R095X0	\$ 245.00
1116774	Chlorophyll A (15 mg)	F0M405	\$ 695.00
1197007	Diethyltoluamide (3 g)	R021J0	\$ 245.00
1200000	Digoxin (250 mg)	R08930	\$ 250.00
1234147	Efavirenz Related Compound B (10 mg) ((S,E)-6-Chloro-4-(2-Cyclopropylvinyl)-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one)	R01700	\$ 835.00
1237600	Epoprostenol Sodium (100 mg) (COLD SHIPMENT REQUIRED)	R10150	\$ 2,245.00
1267000	Ethylparaben (200 mg)	R09490	\$ 275.00
1270821	Flecainide Related Compound A (75 mg) (3-[2,5-Bis(2,2,2-trifluoroethoxy)phenyl]-1,5,6,7,8,8alpha-hexahydroimidazo-[1,5alpha]pyridine hydrochloride)	R047E0	\$ 775.00
1270821	Flecainide Related Compound A (75 mg) (3-[2,5-Bis(2,2,2-trifluoroethoxy)phenyl]-1,5,6,7,8,8alpha-hexahydroimidazo-[1,5alpha]pyridine hydrochloride)	R047E0	\$ 775.00

1270821	Flecainide Related Compound A (75 mg) (3-[2,5-Bis(2,2,2-trifluoroethoxy)phenyl]-1,5,6,7,8,8alpha-hexahydroimidazo-[1,5alpha]pyridine hydrochloride)	R047E1	\$ 775.00
1282004	Fluphenazine Hydrochloride (125 mg)	R093P0	\$ 200.00
1285829	Fluticasone Propionate Related Compound D (15 mg) (S-methyl 6alpha, 9alpha-difluoro-11beta-hydroxy-16alpha-methyl-3-oxo-17alpha-propionyloxyandrosta-1,4-diene-17beta-carbothioate)	F019M0	\$ 835.00
1285818	Fluticasone Propionate Related Compound J (15 mg) (6alpha, 9alpha-difluoro-11beta,17alpha-dihydroxy-16alpha-methyl-3-oxoandrosta-1,4-diene-17beta-carboxylic acid)	F019N0	\$ 835.00
1285818	Fluticasone Propionate Related Compound J (15 mg) (6alpha, 9alpha-difluoro-11beta,17alpha-dihydroxy-16alpha-methyl-3-oxoandrosta-1,4-diene-17beta-carboxylic acid)	R079M0	\$ 835.00
1287675	Gadoversetamide (200 mg)	R09050	\$ 230.00
1287675	Gadoversetamide (200 mg)	R09050	\$ 230.00
1294976	Glutamic Acid (200 mg)	R09550	\$ 290.00
1295888	Glycyrrhizic Acid (25 mg)	R043A0	\$ 625.00
1302509	Halcinonide (200 mg)	R082M0	\$ 245.00
1334006	Hydroxyzine Pamoate (500 mg)	R060P0	\$ 245.00
1299200	iseofulvin Permeability Diameter (2 g)	R106C0	\$ 265.00
1355006	Kanamycin Sulfate (200 mg)	R088K0	\$ 245.00
1356563	Ketoprofen Related Compound D (20 mg) (3-acetylbenzophenone)	F1H249	\$ 775.00
1356701	Lactose Monohydrate (500 mg)	R045A0	\$ 290.00
1356701	Lactose Monohydrate (500 mg)	R084R0	\$ 290.00
1361010	Levodopa Related Compound A (50 mg) (3-(2,4,5-Trihydroxyphenyl)-L-alanine)	R09510	\$ 835.00
1367699	Linolenyl Alcohol (5 x 30 mg)	R057P0	\$ 250.00
1375003	Maltol (500 mg)	G06251	\$ 235.00
1377010	Meclizine Related Compound A (15 mg) (4-Chlorobenzhydrol)	F1K374	\$ 835.00
1378012	Medroxyprogesterone Acetate Related Compound A (25 mg) (6alpha-Methyl-3,20-dioxopregnan-17-yl acetate)	F1C427	\$ 855.00
1392818	Mesna Related Compound A (50 mg) (2-(Acetylthio)ethane-1-sulfonic acid, potassium salt, crystal adduct with potassium chloride)	F1I157	\$ 775.00
1392829	Mesna Related Compound B (50 mg) (2,2'-Disulfanediybis(ethane-1-sulfonic acid), dipotassium salt, crystal adduct with sodium chloride)	F1I158	\$ 775.00
1430000	Methylergonovine Maleate (50 mg)	R092K0	\$ 245.00
1441301	Metoprolol Tartrate	R091M0	\$ 245.00

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	\$ 775.00
1478200	Oleyl Oleate	R103P0	\$ 265.00
1488000	Oxymorphone CII (300 mg)	R050C0	\$ 325.00
1504503	Penicillin Potassium	R114E0	\$ 245.00
1554705	Prazosin Hydrochloride (350 mg)	R10470	\$ 245.00
1559505	Prednisone Tablets (30 tablets)	R072M0	\$ 285.00
1576796	Propylene Glycol Monolaurate Type II (500 mg)	R097Y0	\$ 265.00
1600121	Rebaudioside A (500 mg)	R098K0	\$ 395.00
1601703	Residual Solvent Class 2 - N-Methylpyrrolidone (1.2 mL/ampule; 3 ampules)	R09650	\$ 230.00
1605497	Ropivacaine (200 mg) ((S)-(-)-1-Propyl-2',6'-pipercoloxylidide)	F1J017	\$ 245.00
1612007	Sennosides (500 mg)	R075E0	\$ 220.00
1615956	Sorbic Acid (1 g)	R036N0	\$ 275.00
1615956	Sorbic Acid (1 g)	R036N1	\$ 275.00
1617000	Sorbitol (125 mg)	R084Y0	\$ 225.00
1644003	Terpin Hydrate (750 mg)	R07340	\$ 245.00
1667643	Tigecycline (300 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)	R09410	\$ 470.00
1672600	Tramadol Hydrochloride CIV (100 mg)	R09840	\$ 325.00
1675007	Triacetin (1 g)	H3H083	\$ 245.00
1696110	Triptorelin Related Compound A (1.23 mg)	F06180	\$ 700.00
1709007	Vancomycin Hydrochloride (4 vials, each vial contains 98,800 mcg of vancomycin activity)	R07250	\$ 250.00
1134390	Clarithromycin Identity (10 mg)	R099M0	\$ 775.00
1044651	Atovaquone (200 mg)	R11150	\$ 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
1000829	Abiraterone System Suitability Mixture (20 mg)	R065J0	F01710(31-Dec-18)	\$775.00
1012757	Alclometasone Dipropionate (300 mg)	R044G0	I0C302(31-Dec-18)	\$245.00
1045574	Azacitidine Related Compound C (15 mg) (1-beta-D-Ribofuranosyl-3-guanyurea picrate)	R088Q0	R02800(31-Dec-18)	\$835.00
1066009	Betamethasone (200 mg)	R075L0	R01380(31-Dec-18)	\$245.00
1078642	Buspirone Related Compound K (50 mg) (8-azaspiro[4.5]decane-7,9-dione)	F015S1	F015S0(31-Dec-18)	\$835.00
1096000	Carbinoxamine Maleate (200 mg)	R08650	I1K403(31-Dec-18)	\$245.00
1097589	Cefdinir Related Compound B (10 mg) ((6R,7R)-7-[2-(2-amino-4-thiazolyl)acetamido]-8-oxo-3-vinyl-5-thia-1-azabicyclo[4,2,0]oct-2-ene-2-carboxylic acid)	R079W0	R047H0(31-Dec-18)	\$835.00
1131009	Cholecalciferol (30 mg/ampule; 5 ampules) (Vitamin D3)	R07150	Q0M510(31-Dec-18)	\$255.00
1163140	Dantrolene (200 mg)	R08920	F0G120(31-Dec-18)	\$255.00
1219008	Diphenoxylate Hydrochloride CII (200 mg)	R095H0	R06680(31-Dec-18)	\$325.00
1237382	Epirubicin Hydrochloride (200 mg)	R06270	F0I341(31-Dec-18)	\$750.00
1237509	Epitetracycline Hydrochloride (250 mg)	R095C0	R064D0(31-Dec-18)	\$835.00
1269072	Exemestane Related Compound B (15 mg) (6-hydroxymethylandrostra-1,4-diene-3,17-dione)	R08410	F0J315(31-Dec-18)	\$775.00
1277252	Fluoride Dentifrice: Sodium Fluoride/Silica (4.6 oz)	R085P0	L0J093(31-Dec-18)	\$720.00
1279826	Fluoxetine Related Compound B (5 mL of a 0.01N HCl Solution, approx. 2 mg/mL) (N-Methyl-3-phenylpropan-1-amine)	R092W0	R04500(31-Dec-18)	\$835.00
1287609	Gadopentetate Monomeglumine (500 mg)	R06340	H1M158(31-Dec-18)	\$250.00
1288408	Gatifloxacin (300 mg)	R077D0	F0J187(31-Dec-18)	\$245.00
1354003	Isoxsuprine Hydrochloride (200 mg)	R036A0	G0E146(31-Dec-18)	\$245.00
1362103	Levofloxacin (200 mg)	R07580	H0L298(31-Dec-18)	\$245.00
1379265	Melengestrol Acetate Related Compound A (25 mg) (16-Methylene-3,20-dioxopregn-4-en-17-yl acetate)	R094T0	F0D305(31-Dec-18)	\$835.00
1426002	Methyldopa (500 mg)	R083N0	J0G237(31-Dec-18)	\$245.00
1478582	Ondansetron Hydrochloride (300 mg)	R07740	H0K424(31-Dec-18)	\$325.00
1478822	Orlistat Related Compound B (20 mg)	R077C0	H0M535(31-Dec-18)	\$835.00

	(diisopropyl hydrazine-1,2-dicarboxylate)			
1479315	Oseltamivir Related Compound A (10 mg) ((3S,4R,5S)-ethyl 4-acetamido-5-amino-2-azido-3-(pentan-3-yloxy)cyclohexanecarboxylate)	R092M0	F0J053(31-Dec-18)	\$835.00
1502701	Penicillin G Sodium (150 mg)	R082H0	M0J423(31-Dec-18)	\$255.00
1545500	Polacrillin Potassium (200 mg)	R08250	R033B0(31-Dec-18)	\$275.00
1554192	Pravastatin 1,1,3,3-Tetramethylbutylamine (200 mg)	R065V0	G1K049(31-Dec-18)	\$285.00
1604676	Risperidone Related Compounds Mixture (25 mg)	R084H0	R013B0(31-Dec-18)	\$775.00
1612517	Sertraline Hydrochloride Racemic Mixture (30 mg) ((1RS,4RS)-4-(3,4-Dichlorophenyl)-N-methyl-1,2,3,4-tetrahydro-1-naphthylamine hydrochloride)	R05470	F0I050(31-Dec-18)	\$775.00
1643656	Tenofovir Disoproxil Fumarate (200 mg)	R08290	G0M335(31-Dec-18)	\$245.00

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