USP Reference Standards Tables

Below are several tables with the latest USP Reference Standard (RS) information for the month of April (2020). For the most up-to-date information, visit the online USP store which is updated daily. USP recommends referring to the store prior to using a USP RS to assure the lot remains valid for use and to obtain the most up-to-date USP Certificate and Safety Data Sheet.

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Existing USP RS’s with New Current Lots
Previously Unavailable USP RS’s – Now Available
USP RS’s Backorder Availability Report
USP RS’s with Changes Made to the Description, including Package Size Changes
USP RS Lots with a Valid Use Date (VUD) in March 2020
USP RS Lots with a Valid Use Date (VUD) in April 2020
USP RS Lots with a Valid Use Date (VUD) in May 2020

AN IMPORTANT VALID USE DATE CHANGE: As noted in last month’s RS Tables, a Valid Use Date (VUD) of 31July2020 had been assigned to various current and previous lots as a result of revisions to USP General Chapter <11> and the General Notices which were originally scheduled to become official on August 1, 2020. This official date has since been extended to November 1, 2020. Click here to read the Compendial Notice. As a result, the VUD of the impacted lots will be extended to 31October2020. Refer to this table for a list of impacted lots. As always, be sure to check the validity of a lot in the online USP store prior to purchase and use.

DON’T FORGET: Be sure to review the Not Yet Official versions of General Chapter <11> USP Reference Standards and the General Notices which were posted in the USP-NF Online publication on February 1. They will become official on November 1, 2020.

Previous months’ tables can be viewed on our website. Click here to learn about additional newsletters available to stay up to date on other USP offerings and programs such as education and training, monograph modernization, and compendial updates.

USP strongly suggests downloading the FREE Reference Standards and Resources APP on your phone or tablet. The APP allows you to easily track lot changeovers by opting in to receive push notifications only for the USP RS’s of interest.

Please visit the USP store to place an order online. You may also contact Customer Service at custsvc@usp.org or 1-800-227-8772. Please contact rstech@usp.org for all other support related to USP RS’s.
### Never-Before-Released USP RS’s – Now Available

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Current Lot</th>
<th>Availability Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1065209</td>
<td>Berberis aristata Stem Dry Extract (100 mg)</td>
<td>F117F0</td>
<td>24-Mar-20</td>
</tr>
<tr>
<td>1089149</td>
<td>Cannabidiol (30 mg)</td>
<td>F138M0</td>
<td>30-Mar-20</td>
</tr>
<tr>
<td>1089161</td>
<td>Cannabidiol Solution (1 mL (1mg/mL))</td>
<td>F136F0</td>
<td>27-Mar-20</td>
</tr>
<tr>
<td>1270537</td>
<td>Filgrastim System Suitability (COLD SHIPMENT REQUIRED) (1 mg)</td>
<td>F138U0</td>
<td>18-Mar-20</td>
</tr>
<tr>
<td>1460328</td>
<td>Nepafenac Related Compound A (25 mg) (2-{2-Amino-3-[hydroxy(phenyl)methyl]phenyl}acetamide)</td>
<td>F129V0</td>
<td>4-Mar-20</td>
</tr>
<tr>
<td>1460339</td>
<td>Nepafenac Related Compound B (25 mg) (7-Benzoylindolin-2-one)</td>
<td>F130V0</td>
<td>25-Mar-20</td>
</tr>
<tr>
<td>1602599</td>
<td>Rhoifolin (15 mg)</td>
<td>F125B0</td>
<td>24-Mar-20</td>
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### Existing USP RS’s with New Current Lots

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Current Lot</th>
<th>Previous Lot (Valid Use Date)</th>
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</thead>
<tbody>
<tr>
<td>1012123</td>
<td>Adenosine (200 mg)</td>
<td>R114J1</td>
<td>R114J0 (31-Mar-21)</td>
</tr>
<tr>
<td>1042408</td>
<td>Argatroban (350 mg)</td>
<td>R12240</td>
<td>R057G1 (31-Jan-21)</td>
</tr>
<tr>
<td>1042780</td>
<td>Artemether (100 mg)</td>
<td>R12050</td>
<td>R098G0 (31-Jan-21)</td>
</tr>
<tr>
<td>1056005</td>
<td>Benzonatate (1 g)</td>
<td>R10380</td>
<td>R04360 (30-Sep-20)</td>
</tr>
<tr>
<td>1082901</td>
<td>Butyl 3-(butylamino)-4-phenoxy-5-sulfamoylbenzoate (25 mg)</td>
<td>R132V0</td>
<td>F2L281 (31-Mar-21)</td>
</tr>
<tr>
<td>1087825</td>
<td>Candesartan Cilexetil Related Compound B (10 mg) (1-[(Cyclohexyloxy)carbonyloxy]ethyl 3-{[2'-(1H-tetrazol-5-yl)]-[1,1'-biphenyl]-4-yl)methyl}-2-oxo-2,3-dihydro-1H-benzo[d]imidazole-4-carboxylate)</td>
<td>R11880</td>
<td>F03420 (31-Mar-21)</td>
</tr>
<tr>
<td>1091040</td>
<td>Caprylic Acid (300 mg)</td>
<td>R123A0</td>
<td>F1L115 (31-May-20)</td>
</tr>
<tr>
<td>1098195</td>
<td>Ceftriaxone Sodium E-Isomer (25 mg)</td>
<td>R131A0</td>
<td>R111N0 (31-Mar-21)</td>
</tr>
<tr>
<td>1098231</td>
<td>Cefuroxime Axetil Delta-3-Isomers (10 mg) (1RS,6R,7R)-1-Acetoxyethyl 3-[(carbamoyloxy)methyl]-7-[(Z)-2-(furan-2-yl)-2-(methoxyimino)acetamido]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-3-ene-2-carboxylate</td>
<td>R12220</td>
<td>R04630 (31-Mar-21)</td>
</tr>
<tr>
<td>1102408</td>
<td>Cephapirin Benzathine (100 mg)</td>
<td>F03082</td>
<td>F03081 (31-Mar-21)</td>
</tr>
<tr>
<td>1102500</td>
<td>Cephapirin Sodium (500 mg)</td>
<td>R116A0</td>
<td>J0F171 (28-Feb-21)</td>
</tr>
<tr>
<td>1115705</td>
<td>Chloromethyl Isopropyl Carbonate (100 mg)</td>
<td>R110L0</td>
<td>R043B0 (31-Mar-21)</td>
</tr>
<tr>
<td>1134118</td>
<td>Cisatracurium Besylate (350 mg) (COLD SHIPMENT REQUIRED)</td>
<td>R110A0</td>
<td>R06160 (30-Sep-20)</td>
</tr>
<tr>
<td>1134233</td>
<td>Citalopram Hydrobromide (200 mg)</td>
<td>R115C0</td>
<td>G0J045 (31-Jan-21)</td>
</tr>
<tr>
<td>1134404</td>
<td>Clavam-2-carboxylate Potassium (2 mg)</td>
<td>L4L187</td>
<td>L2L187 (31-Mar-21)</td>
</tr>
<tr>
<td>1138904</td>
<td>Clofazimine (200 mg)</td>
<td>R11940</td>
<td>R017W0 (28-Feb-21)</td>
</tr>
<tr>
<td>1173508</td>
<td>Desoximetasone (200 mg)</td>
<td>R125L0</td>
<td>R012H0 (31-Dec-20)</td>
</tr>
<tr>
<td>1176506</td>
<td>Dexamethasone Acetate (200 mg)</td>
<td>R128V0</td>
<td>I0L425 (31-Dec-20)</td>
</tr>
<tr>
<td>1184118</td>
<td>Diaveridine (25 mg) (5-(3,4-Dimethoxybenzyl)pyrimidine-2,4-diamine)</td>
<td>F03831</td>
<td>F03830 (31-Mar-21)</td>
</tr>
<tr>
<td>Catalog #</td>
<td>Description</td>
<td>Current Lot</td>
<td>Previous Lot (Valid Use Date)</td>
</tr>
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<td>------------------------------------------------------------------------------</td>
<td>-------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>1233009</td>
<td>Edetate Disodium (200 mg)</td>
<td>R028C1</td>
<td>R028C0 (30-Nov-20)</td>
</tr>
<tr>
<td>1265606</td>
<td>Epilactose (200 mg)</td>
<td>R12340</td>
<td>R018L0 (28-Feb-21)</td>
</tr>
<tr>
<td>1287008</td>
<td>Ethyl Formate (1.2 mL/ampule; 3 ampules)</td>
<td>R12440</td>
<td>M0M043 (28-Feb-21)</td>
</tr>
<tr>
<td>1292347</td>
<td>Glimepiride Related Compound D (20 mg) (Glimepiride 3-isomer, or 1-[[m-[2-(3-Ethyl-4-methyl-2-oxo-3-pyrroline-1-carboxamido)ethyl]phenyl]sulfonyl]-3-(trans-4-methylcyclohexyl)urea)</td>
<td>R115B0</td>
<td>R055V0 (31-Mar-21)</td>
</tr>
<tr>
<td>1298106</td>
<td>Granisetron Hydrochloride (150 mg)</td>
<td>R116B0</td>
<td>R062A0 (31-Mar-21)</td>
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<tr>
<td>1325005</td>
<td>Hydromorphone Hydrobromide (200 mg)</td>
<td>R12250</td>
<td>R014D0 (31-Jan-21)</td>
</tr>
<tr>
<td>1335417</td>
<td>Ibandronate Sodium (200 mg)</td>
<td>R12350</td>
<td>R013F0 (31-Jan-21)</td>
</tr>
<tr>
<td>1354251</td>
<td>Itraconazole (100 mg)</td>
<td>R118F0</td>
<td>R021G0 (31-Mar-21)</td>
</tr>
<tr>
<td>1356869</td>
<td>Lamivudine Resolution Mixture C (0.8 mg)</td>
<td>R11300</td>
<td>F0K348 (31-Mar-21)</td>
</tr>
<tr>
<td>1358784</td>
<td>Levalbuterol Hydrochloride (200 mg)</td>
<td>R117M0</td>
<td>F0G162 (31-Mar-21)</td>
</tr>
<tr>
<td>1362500</td>
<td>Magnesium Chloride (1 g)</td>
<td>R116P0</td>
<td>F0D157 (31-Mar-21)</td>
</tr>
<tr>
<td>136260</td>
<td>Magnesium Hydroxide (1 g)</td>
<td>R097C0</td>
<td>F0D158 (30-Nov-20)</td>
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<tr>
<td>1375058</td>
<td>Mandelic Acid (500 mg)</td>
<td>R10840</td>
<td>R057E0 (28-Feb-21)</td>
</tr>
<tr>
<td>1377506</td>
<td>Meclofenamate (100 mg)</td>
<td>R032M1</td>
<td>R033M2 (31-Jan-21)</td>
</tr>
<tr>
<td>138005</td>
<td>Meclofenamate Hydrochloride (200 mg)</td>
<td>R032M1</td>
<td>R033M2 (31-Jan-21)</td>
</tr>
<tr>
<td>1396502</td>
<td>Methacrylic Acid and Methyl Methacrylate Copolymer (1:2) (200 mg)</td>
<td>R13400</td>
<td>H1G385 (31-Jan-21)</td>
</tr>
<tr>
<td>1430917</td>
<td>Methyl 12-Hydroxystearate (200 mg)</td>
<td>R115A0</td>
<td>F044B0 (31-Mar-21)</td>
</tr>
<tr>
<td>1448617</td>
<td>Moxifloxacin Related Compound A (25 mg) (1-cyclopropyl-6,8-difluoro-1,4-dihydro-7-[(4aS,7aS)-octahydro-6H-pyrrolo][3,4-b]pyridin-6-yl]-4-oxo-3quinolinecarboxylic acid)</td>
<td>R11050</td>
<td>R03630 (31-Mar-21)</td>
</tr>
<tr>
<td>1464001</td>
<td>Nitrofurantoin (500 mg)</td>
<td>R11680</td>
<td>K11060 (28-Feb-21)</td>
</tr>
<tr>
<td>1494942</td>
<td>Pantoprazole Related Compound E (20 mg) (6,6'-bis(difluoromethoxy)-2,2'-bis[[3,4-dimethoxy-2-yl]methyl]sulfonyl]-1H,1'H-5,5'-bibenzimidazolyl)</td>
<td>R127H0</td>
<td>R087A0 (31-Jan-21)</td>
</tr>
<tr>
<td>1531007</td>
<td>Phenylbutazone (250 mg)</td>
<td>R119S0</td>
<td>K0G199 (31-Mar-21)</td>
</tr>
<tr>
<td>1570304</td>
<td>Propafenone Hydrochloride (200 mg)</td>
<td>R107Y0</td>
<td>I0K184 (28-Feb-21)</td>
</tr>
<tr>
<td>1680506</td>
<td>Triazolam (200 mg)</td>
<td>R119T0</td>
<td>R06560 (31-Mar-21)</td>
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<tr>
<td>1711268</td>
<td>Venlafaxine Hydrochloride (100 mg)</td>
<td>R133C0</td>
<td>R032T0 (31-Jan-21)</td>
</tr>
<tr>
<td>1711279</td>
<td>Venlafaxine Related Compound A (10 mg) (1-(1-(4-Methoxyphenyl)-2-(methylamino)ethyl)cyclohexanol hydrochloride)</td>
<td>R102P0</td>
<td>F0I357 (31-Mar-21)</td>
</tr>
<tr>
<td>1720000</td>
<td>Xanthanoic Acid (100 mg)</td>
<td>R129R0</td>
<td>G-1 (31-Jul-20)</td>
</tr>
</tbody>
</table>
# Previously Unavailable USP RS’s – Now Available

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Current Lot</th>
</tr>
</thead>
<tbody>
<tr>
<td>1012123</td>
<td>Adenosine (200 mg)</td>
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<td>1042780</td>
<td>Artemether (100 mg)</td>
<td>R12050</td>
</tr>
<tr>
<td>1056005</td>
<td>Benzonatate (1 g)</td>
<td>R10380</td>
</tr>
<tr>
<td>1091040</td>
<td>Caprylic Acid (300 mg)</td>
<td>R123A0</td>
</tr>
<tr>
<td>1134233</td>
<td>Citalopram Hydrobromide (200 mg)</td>
<td>R115C0</td>
</tr>
<tr>
<td>1138904</td>
<td>Clofazimine (200 mg)</td>
<td>R11940</td>
</tr>
<tr>
<td>1176506</td>
<td>Dexamethasone Acetate (200 mg)</td>
<td>R128V0</td>
</tr>
<tr>
<td>1236801</td>
<td>Epilactose (200 mg)</td>
<td>R12340</td>
</tr>
<tr>
<td>1287008</td>
<td>Furosemide (200 mg)</td>
<td>R12440</td>
</tr>
<tr>
<td>1325005</td>
<td>Hydroxyamphetamine Hydrobromide (200 mg) ((+/-)-p-(2-Aminopropyl)phenol hydrobromide)</td>
<td>R13140</td>
</tr>
<tr>
<td>1356869</td>
<td>Lamivudine Resolution Mixture C (0.8 mg)</td>
<td>R11300</td>
</tr>
<tr>
<td>1358784</td>
<td>Levalbuterol Hydrochloride (200 mg)</td>
<td>R117M0</td>
</tr>
<tr>
<td>1362500</td>
<td>Levonordefrin (200 mg)</td>
<td>R11360</td>
</tr>
<tr>
<td>1378001</td>
<td>Medroxyprogesterone Acetate (200 mg)</td>
<td>R032M1</td>
</tr>
<tr>
<td>1464001</td>
<td>Nitrofurantoin (500 mg)</td>
<td>R11680</td>
</tr>
<tr>
<td>1494942</td>
<td>Pantoprazole Related Compound E (20 mg) (6,6'-bis(difluoromethoxy)-2,2'-bis[[3,4-dimethoxypyridin-2-yl)methyl]sulfinyl]-1H,1'H-5,5'-bibenzimidazolyl)</td>
<td>R127H0</td>
</tr>
<tr>
<td>1570304</td>
<td>Propafenone Hydrochloride (200 mg)</td>
<td>R107Y0</td>
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# USP RS’s Backorder Availability Report*

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Estimated Availability Date (as of 08Apr2020)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1666006</td>
<td>(E)-Thiothixene (100 mg)</td>
<td>TBD</td>
</tr>
<tr>
<td>1076261</td>
<td>3-Acetyl-11-Keto-Beta-Boswellic Acid (20 mg)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1002811</td>
<td>Acetaldehyde (3 x 1.1 mL)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1008501</td>
<td>Acetylcholine Chloride (200 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1011018</td>
<td>Acitretin Related Compound A (20 mg) ((2Z,4E,6E,8E)-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethylnona-2,4,6,8-tetraenoic acid)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1020008</td>
<td>Aminobutanol (500 mg) (1-Butanol, 2-amino-, (+/-)-)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1041609</td>
<td>Apraclonidine Hydrochloride (100 mg)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1042270</td>
<td>Arachidyl Alcohol (125 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1044301</td>
<td>Astemizole (200 mg)</td>
<td>N/A</td>
</tr>
<tr>
<td>1044470</td>
<td>Atomoxetine Related Compound A (10 mg) (3-(Methylamino)-1-phenylpropan-1-ol)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1048233</td>
<td>Bacoside A3 (15 mg)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1086039</td>
<td>Caftaric Acid (20 mg)</td>
<td>2020-Q3</td>
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<tr>
<td>Catalog #</td>
<td>Description</td>
<td>Estimated Availability Date (as of 08Apr2020)</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>1086436</td>
<td>Calcium Chloride (1 g) (AS)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1090739</td>
<td>Capecitabine Related Compound C (10 mg) (2',3'-O-carbonyl-5'-deoxy-5-fluoro-N4- (pentyloxycarbonyl)cytidine) (COLD SHIPMENT REQUIRED)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1096529</td>
<td>Carglumic Acid Related Compound B (30 mg) ((S)-2,7-dioxo-1,3-diazepane-4-carboxylic acid)</td>
<td>N/A</td>
</tr>
<tr>
<td>1118328</td>
<td>Chloroquine Related Compound A (25 mg) (4,7-dichloroquinoline)</td>
<td>TBD</td>
</tr>
<tr>
<td>1130710</td>
<td>CHO Genomic DNA (30 ng/uL, 20 uL per vial) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1134051</td>
<td>Cilastatin Ammonium Salt (100 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1140509</td>
<td>Clorazepate Dipotassium CIV (125 mg)</td>
<td>2020-Q2</td>
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<tr>
<td>1150115</td>
<td>Cosyntropin Acetate (1.69 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED) (alpha1-24-Corticotropin)</td>
<td>TBD</td>
</tr>
<tr>
<td>1150353</td>
<td>Creatinine (100 mg) (2-Imino-1-methylimidazolidin-4-one)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1173202</td>
<td>Desmopressin Acetate (2.01 mg) (COLD SHIPMENT REQUIRED)</td>
<td>TBD</td>
</tr>
<tr>
<td>1174001</td>
<td>Desoxycorticosterone Acetate (200 mg)</td>
<td>TBD</td>
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<tr>
<td>1179865</td>
<td>Dextran 10 Calibration (100 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1179887</td>
<td>Dextran 70 Calibration (100 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1551128</td>
<td>Dibasic Potassium Phosphate (5 g) (AS)</td>
<td>TBD</td>
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<tr>
<td>1187080</td>
<td>Dibutyl Phthalate (200 mg)</td>
<td>2020-Q3</td>
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<tr>
<td>1193301</td>
<td>Diethylene Glycol Monooethyl Ether (4 x 0.25 mL/ampule)</td>
<td>TBD</td>
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<tr>
<td>1197018</td>
<td>Diethyltoluamide Related Compound A (25 mg) (N,N-Diethyl-4-toluamide)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1220302</td>
<td>Dipivefrin Hydrochloride (200 mg)</td>
<td>N/A</td>
</tr>
<tr>
<td>1224959</td>
<td>Dolasetron Mesylate (125 mg)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1224960</td>
<td>Dolasetron Mesylate Related Compound A (25 mg) (Hexahydro-8-hydroxy-2,6-methano-2H-quinolinizin-3 (4H)-one, hydrochloride)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1249789</td>
<td>Esomeprazole Magnesium (100 mg)</td>
<td>2020-Q2</td>
</tr>
<tr>
<td>1251000</td>
<td>Estradiol Benzoate (250 mg)</td>
<td>2020-Q3</td>
</tr>
<tr>
<td>1255861</td>
<td>Eszopiclone Related Compound A (10 mg) (6-(5-Chloropyridin-2-yl)-7-oxo-6,7-dihydro-5H-pyrrolo [3,4,b] pyrazin-5-yl 4-methylpiperazine-1-carboxylate 4-oxide)</td>
<td>2020-Q2</td>
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<tr>
<td>1268604</td>
<td>Etidronic Acid Monohydrate (1 g)</td>
<td>2020-Q2</td>
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<td>1268728</td>
<td>Etodolac Related Compound A (25 mg) ((+-)-8-ethyl-1-methyl-1,3,4,9-tetrahydroprano [3,4-b]-indole-1-acetic acid)</td>
<td>TBD</td>
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<tr>
<td>1269505</td>
<td>Fenoprofen Calcium (500 mg)</td>
<td>2020-Q3</td>
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<td>1270435</td>
<td>Filgrastim (0.98 mg) (COLD SHIPMENT REQUIRED)</td>
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<td>1273841</td>
<td>Flumazenil Related Compound C (500 mg) (N,N-Dimethylformamide diethyl acetal)</td>
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<td>1285002</td>
<td>Flurazepam Hydrochloride CIV (200 mg)</td>
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<td>1285807</td>
<td>Flurbiprofen Sodium (200 mg)</td>
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<td>1287631</td>
<td>Gadoteridol (500 mg)</td>
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<td>1295731</td>
<td>Glyceril Monolinoleate (500 mg)</td>
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<td>1296756</td>
<td>Gonadorelin Acetate (50 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
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<td>1296767</td>
<td>Gonadorelin Acetate Related Compound A (10 mg) (gonadorelin free acid trifluoroacetate salt) (COLD SHIPMENT REQUIRED)</td>
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<td>1303501</td>
<td>Halothane (1 mL)</td>
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<td>1305303</td>
<td>Hexacosanol (100 mg)</td>
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<td>1338335</td>
<td>Imiquimod Related Compound B (25 mg) Imiquimod Related Compound B (25 mg)</td>
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<td>1347700</td>
<td>Irbesartan (200 mg)</td>
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<td>1357522</td>
<td>Latanoprost Related Compound D (25 mg) (COLD SHIPMENT REQUIRED)</td>
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<td>1179344</td>
<td>Levomedetomidine (25 mg)</td>
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<td>1364007</td>
<td>Levonorphanol Tartrate CII (500 mg)</td>
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<td>1367581</td>
<td>Linezolid Related Compound B (20 mg) ((S)-N-[([3-(3-fluoro-4-morpholinophenyl) -2-oxooxazolidin-5-yl][methyl]thioacetamide)</td>
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<td>Lysocephosphatidylcholine (Soy) (40 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
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<td>1374226</td>
<td>Magnesium Carbonate (2 g) (AS)</td>
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<td>Meloxicam (400 mg)</td>
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<td>1381006</td>
<td>Menadione (200 mg) (Vitamin K3)</td>
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<td>1424222</td>
<td>Methyl Benzylidene Camphor (200 mg)</td>
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<td>1437450</td>
<td>Methylene Blue (750 mg)</td>
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<td>1427005</td>
<td>Methyldopate Hydrochloride (200 mg)</td>
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<td>1428008</td>
<td>Methyl Salicylate (2 mL)</td>
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<td>1448912</td>
<td>Mupirocin Calcium (200 mg)</td>
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<td>1612619</td>
<td>N-Acetylnearaminic Acid (200 mg)</td>
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<td>1450404</td>
<td>Naftifine Hydrochloride (200 mg)</td>
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<td>N-Glycolyneuraminic Acid (200 mg)</td>
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<td>1581248</td>
<td>Oxaliplatin Related Compound D (10 mg) (cis-[(1S,2S)-1,2-cyclohexanediamine-N,N’]oxalato(2-)-O,O’platinum)</td>
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<td>1492255</td>
<td>Palonosetron Related Compound D (15 mg) ((3aR)-2-[(3S)-Quinuclidin-3-yl]-2,3,3a,4,5,6-hexahydro-1H-benzo[deisoquinolin-1-one hydrochloride)</td>
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<td>Pancreatin Amylase and Protease (2 g) (COLD SHIPMENT REQUIRED)</td>
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<td>1614556</td>
<td>Phenylbutyrate Related Compound B (100 mg) (3,4-dihyronaphthalen-1(2H)-one)</td>
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<td>Phosphatidylethanolamine (100 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
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<td>1547801</td>
<td>Polyoxyl 20 Cetostearyl Ether (100 mg)</td>
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<td>Powdered Asian Ginseng Extract (1.5 g)</td>
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<td>Prednisolone Sodium Phosphate (500 mg)</td>
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<td>1568040</td>
<td>Proguanil Hydrochloride (200 mg)</td>
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<td>1598813</td>
<td>Raspberry Ketone (100 mg) (4-(4-Hydroxyphenyl)butan-2-one)</td>
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<td>Ropinirole Related Compound B (50 mg) (4-[2-(Dipropylamino)ethyl]indoline-2,3-dione hydrochloride)</td>
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<td>1605523</td>
<td>Ropivacaine Related Compound B (50 mg) ((R)-(+)1-Propylpiperidine-2-carboxylic acid, (2,6-dimethylphenyl)-amide hydrochloride monohydrate)</td>
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<td>1578816</td>
<td>rProtein A (250 µL/ampule; 2 ampules) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
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<td>1612539</td>
<td>Sertraline Hydrochloride (100 mg)</td>
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<td>Sorbic Acid (1 g)</td>
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<td>1619006</td>
<td>Spironolactone (125 mg)</td>
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<td>1642802</td>
<td>Tacrolimus (150 mg)</td>
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<td>1642857</td>
<td>Tacrolimus System Suitability Mixture (10 mg) (A mixture consisting of</td>
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<td>tacrolimus, tacrolimus 19-epimer, ascomycin and tacrolimus 8-propyl analog)</td>
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<td>1662504</td>
<td>Thiридazine (200 mg)</td>
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<td>1682209</td>
<td>Triclosan (200 mg)</td>
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<td>1696153</td>
<td>Tritricosain (50 mg)</td>
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<td>Trypsin Crystallized (300 mg) (COLD SHIPMENT REQUIRED)</td>
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<td>1711188</td>
<td>Vecuronium Bromide Related Compound C (15 mg) (Piperidinium,1-[(2beta,3alpha,5alpha,16beta,17beta)-3,17-dihydroxy-2-(1-piperidinyl)androstan-16-yl]-1-methyl bromide)</td>
<td>2020-Q3</td>
</tr>
</tbody>
</table>

*Estimated Availability provided is a target only and may change at any time.*

Q1: January—March, Q2: April –June, Q3: July – September, Q4: October –December

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**USP RS's with Changes Made to the Description, including Package Size Changes**

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<th>Current Description</th>
<th>Old Description</th>
<th>Current Package Size</th>
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<td>Azo-Aminoglutethimide (100 mg)</td>
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<td>Calcitonin Salmon (40 mg) (COLD SHIPMENT REQUIRED)</td>
<td>Calcitonin Salmon (20 mg) (COLD SHIPMENT REQUIRED)</td>
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<td>Latanoprost (50 mg)</td>
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<td>Rebaudioside B (100 mg)</td>
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<td>1019870</td>
<td>4-Aminobenzoylglutamic Acid (50 mg)</td>
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<td>Aminobenzoic Acid (200 mg) (p-aminobenzoic acid)</td>
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<td>Aniline (250 mg)</td>
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<td>1042437</td>
<td>Argatroban Related Compound C (20 mg) ((2R,4R)-1-[N^8-amino-N^2-(3-methyl-1,2,3,4-tetrahydroquinoline-8-sulfonyl)-L-arginyl]-4-methylpiperidine-2-carboxylic acid)</td>
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<td>Asparagine Monohydrate (200 mg)</td>
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<td>1076308</td>
<td>Bleomycin Sulfate (15 mg)</td>
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<td>Bosentan (200 mg)</td>
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<td>1134186</td>
<td>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)</td>
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<td>1154605</td>
<td>Creatinine (100 mg) (2-Imino-1-methylimidazolidin-4-one)</td>
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<td>Deferoxamine Mesylate (300 mg)</td>
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<td>Desflurane Related Compound A (0.1 mL) (Bis-(1,2,2,2-tetrafluoroethyl)ether)</td>
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<td>Disodium 5'-Uridylate (500 mg)</td>
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<td>Drospirenone Related Compound A (15 mg) (17-Hydroxy-6beta,7beta:15beta,16beta-dimethylene-3-oxo-17beta-pregn-4-ene-21-carboxylic acid, gamma-lactone)</td>
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<td>R02840(31-Mar-20)</td>
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<td>Efavirenz Related Compound C (20 mg) (6-chloro-2-cyclopropyl-4-(trifluoromethyl)quinoline)</td>
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<td>Etodolac (400 mg)</td>
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<td>Eugenol (5 x 100 mg)</td>
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<td>Famotidine Related Compound D (25 mg) (3-[[2-(diaminomethyleneamino)thiazol-4-yl]methylthio]propanamide)</td>
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<td>Ferrous Sulfate (2 x 1 g)</td>
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<td>Flunixin Related Compound B (25 mg) (2-Methyl-3-(trifluoromethyl)aniline)</td>
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<td>Homopolymer Polypropylene (3 Strips, 2&quot; x 2 1/2&quot; each)</td>
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<td>Levetiracetam Related Compound B (20 mg) ((S)-2-aminobutanamide hydrochloride)</td>
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<td>Linezolid Related Compound A (20 mg) ((R)-5-(azidomethyl)-3-(3-fluoro-4-morpholinophenyl)oxazolidin-2-one)</td>
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<td>Mesna Related Compound B (50 mg) (2,2'-Disulfanediylibis(ethane-1-sulfonic acid), dipotassium salt, crystal adduct with sodium chloride)</td>
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<td>Metaxalone Related Compound A (10 mg) (4-(((3,5-dimethylphenoxy)methyl)imidazolidin-2-one)</td>
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<td>Morphine Related Compound A CI (20 mg) (7,8-Didehydro-4,5alpha-epoxy-17-methylmorphinan-3,6alpha-diol, N-oxide)</td>
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<td>Oxycarbazepine Related Compound A (10 mg) (N-Formyl-10-oxo-11-dihydro-5H-dibenzo[b,f]azepine-5-carboxamide)</td>
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<td>Oxybutynin Related Compound C (20 mg) (4-(ethylmethylamino)but-2-ynyl((+-)-2-cyclohexyl-2-hydroxy-2-phenylacetate hydrochloride)</td>
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<td>Penicillamine (200 mg)</td>
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<td>Phenacetin Melting Point Standard (1 g) (Approximately 135 degrees)</td>
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<td>Phosphatidylethanolamine (100 mg) (INTERNATIONAL COLD CHAIN SHIPMENT REQUIRED)</td>
<td>R04381</td>
<td>R04381(31-Mar-20)</td>
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<td>1547947</td>
<td>Polysorbate 60 (2 g)</td>
<td>R09110</td>
<td>F1K236(31-Mar-20)</td>
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<td>1548407</td>
<td>Potassium Sorbate (1 g)</td>
<td>R030B1</td>
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<td>1554603</td>
<td>Praziquantel (200 mg)</td>
<td>R108E0</td>
<td>H1J029(31-Mar-20)</td>
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<td>1559505</td>
<td>Prednisone Tablets (30 tablets)</td>
<td>R080J0</td>
<td>R072M1(30-Mar-20)</td>
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<td>1598813</td>
<td>Raspberry Ketone (100 mg) (4-(4-Hydroxyphenyl)butan-2-one)</td>
<td>R09310</td>
<td>F0I266(31-Mar-20)</td>
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<td>1601180</td>
<td>Residual Solvent Class 1-1,2-Dichloroethane (1.2 mL/ampule; 3 ampules)</td>
<td>R093F0</td>
<td>R07500(31-Mar-20)</td>
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<td>1604654</td>
<td>Risperidone (100 mg)</td>
<td>R105G0</td>
<td>R019F0(31-Mar-20)</td>
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<td>1607029</td>
<td>Saccharin Calcium (150 mg)</td>
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<td>F0F007(31-Mar-20)</td>
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<td>1671468</td>
<td>Tolterodine S-Enantiomer (15 mg) ((S)-2-[3-(Diisopropylamino)-1-phenylpropyl]-4-methylphenol tartrate)</td>
<td>R09010</td>
<td>F025N0(31-Mar-20)</td>
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<td>1672315</td>
<td>Torsemide Related Compound A (75 mg) (4-[[3-methylphenyl]amino]-3-pyridinesulfonamide)</td>
<td>R102V0</td>
<td>G0J125(31-Mar-20)</td>
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<td>1672927</td>
<td>Tranylcypromine Related Compound B (40 mg) ((E)-3-Phenylallylamine hydrochloride)</td>
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<td>1700002</td>
<td>Trypsin Crystallized (300 mg) (COLD SHIPMENT REQUIRED)</td>
<td>J0L380</td>
<td>J0L380(31-Mar-20)</td>
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### USP RS Lots with a Valid Use Date (VUD) in April 2020

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<th>Previous Lot (Valid Use Date)</th>
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<tbody>
<tr>
<td>1081829</td>
<td>2-Butanol (1.2 mL/ampule; 3 ampules)</td>
<td>R09520</td>
<td>R006S0 (30-Apr-20)</td>
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<td>1171207</td>
<td>23-EPI-26-Deoxyacteactin (20 mg)</td>
<td>R114B0</td>
<td>R03180 (30-Apr-20)</td>
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<td>1011709</td>
<td>Adapalene (200 mg)</td>
<td>R106E0</td>
<td>R03020 (30-Apr-20)</td>
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<td>1031503</td>
<td>Amoxicillin (200 mg)</td>
<td>R106H0</td>
<td>L0K359 (30-Apr-20)</td>
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<tr>
<td>1044527</td>
<td>Atorvastatin Related Compound A (20 mg) (Desfluoro impurity, or (3R,5R)-7-[3-(phenylcarbamoyl)-2-isopropyl-4,5-diphenyl-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid calcium salt)</td>
<td>R107H0</td>
<td>H0L181 (30-Apr-20)</td>
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<td>1044593</td>
<td>Atorvastatin Related Compound I (20 mg) (tert-Butyl 2-((4R,6R)-6-{2-[2-(4-fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl]ethyl}-2,2-dimethyl-1,3-dioxan-4-yl)acetate)</td>
<td>R09360</td>
<td>R03460 (30-Apr-20)</td>
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<td>1154569</td>
<td>Beta Cyclodextrin (500 mg)</td>
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<td>H1K030 (30-Apr-20)</td>
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<td>1071009</td>
<td>Bethanechol Chloride (200 mg)</td>
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<td>1078733</td>
<td>Bupropion Hydrochloride (200 mg)</td>
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<td>1078733</td>
<td>Bupropion Hydrochloride (200 mg)</td>
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<td>1078733</td>
<td>Cefazolin (200 mg)</td>
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<td>1107300</td>
<td>Chloramphenicol Palmitate (200 mg)</td>
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<td>1134175</td>
<td>Cilostazol Related Compound B (50 mg) (6-{4-(1-Cyclohexyl-1H-tetrazol-5-yl)-butoxy}-1H-quinolin-2-one)</td>
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<td>F0G073 (30-Apr-20)</td>
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<td>1158504</td>
<td>Cyclosporine (50 mg)</td>
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<td>J0M382 (30-Apr-20)</td>
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<td>Dextroamphetamine Sulfate CII (500 mg)</td>
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<td>R062C0 (30-Apr-20)</td>
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<td>1224981</td>
<td>Donepezil Hydrochloride (200 mg)</td>
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<td>1231808</td>
<td>Econazole Nitrate (250 mg)</td>
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<td>R056L0 (30-Apr-20)</td>
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<td>1235820</td>
<td>Enoxaparin Sodium (300 mg)</td>
<td>R11090</td>
<td>R01010 (30-Apr-20)</td>
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<td>1238002</td>
<td>Equilin (25 mg)</td>
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<td>R030G0 (30-Apr-20)</td>
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<td>1265515</td>
<td>Ethylene Glycol (0.5 mL)</td>
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<td>1269979</td>
<td>Flunixin Related Compound C (50 mg) (Ethyl 2-chloronicotinate)</td>
<td>R10970</td>
<td>F0G344 (30-Apr-20)</td>
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<td>1274631</td>
<td>Flunitixin Related Compound C (50 mg) (Ethyl 2-chloronicotinate)</td>
<td>R10970</td>
<td>F0G344 (30-Apr-20)</td>
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<td>1278302</td>
<td>Fluorouracil (150 mg)</td>
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<td>1285895</td>
<td>Fluticasone Propionate System Suitability Mixture (25 mg) (Fluticasone Propionate and Fluticasone Propionate Related Compounds B, C and D)</td>
<td>R079L0</td>
<td>F0E122 (30-Apr-20)</td>
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<td>1287766</td>
<td>Galantamine Hydrobromide Racemic (15 mg)</td>
<td>R10970</td>
<td>F0G344 (30-Apr-20)</td>
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<td>1291548</td>
<td>Ginkgolic Acids (20 mg) (Mixture of ginkgolic acid C13:0, ginkgolic acid C15:1 and ginkgolic acid C17:1)</td>
<td>R082K0</td>
<td>R024B0 (30-Apr-20)</td>
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<tr>
<td>1294207</td>
<td>Glucosamine Hydrochloride (200 mg)</td>
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<td>G0M183 (30-Apr-20)</td>
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<td>1308200</td>
<td>Hexylene Glycol (125 mg)</td>
<td>R07621</td>
<td>R07620 (30-Apr-20)</td>
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<td>1347642</td>
<td>Irinotecan Related Compound C (10 mg) (11-Ethyl-4-hydroxy-4-methyl-3,14-dioxo-3,4,12,14-tetrahydro-1H-pyrrano[3',4',6',7]indolizino[1,2-b]quinolin-9-yl (1,4'-bipiperidine)- 1'-carboxylate hydrochloride)</td>
<td>R107W0</td>
<td>G0K219 (30-Apr-20)</td>
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<td>1350400</td>
<td>Isopropyl Myristate (5 x 100 mg)</td>
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<td>1357045</td>
<td>Leflunomide Related Compound A (100 mg) (4-(trifluoromethyl)aniline)</td>
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<td>H0K136 (30-Apr-20)</td>
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<td>1418650</td>
<td>Methoxymethylguanine (20 mg)</td>
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<td>Miconazole Nitrate (200 mg)</td>
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<td>J11153(30-Apr-20)</td>
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<td>1444241</td>
<td>Mirtazapine Related Compound C (50 mg) (2-Methyl-3,4,10,14b-tetrahydrobenzo[c]pyrazino[1,2-a]pyrido[3,2-f]fazepin-1(2H)-one)</td>
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<td>Morphine Related Compound B CII (20 mg) (2',2'-Bimorphine trihydrate)</td>
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<td>Nadolol (200 mg)</td>
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<td>Nitrofurantoin Related Compound A (20 mg) (N-(Aminocarbonyl)-N-[[5-nitro-2-furanyl]-methylene]-amino)-glycine)</td>
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<td>R045T0(30-Apr-20)</td>
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<td>Octinoxate (500 mg)</td>
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<td>1478516</td>
<td>Omeprazole Related Compound A (15 mg) (5-methoxy-2-[[4-methoxy-3,5-dimethylpyridin-2-yl]methyl]sulfonyl]-1H-benzimidazole)</td>
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<td>R091G0(30-Apr-20)</td>
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<td>Palonosetron Hydrochloride (100 mg)</td>
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<td>Pantolactone (500 mg)</td>
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<td>Phenytoin (200 mg)</td>
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<td>Phthalic Acid (50 mg)</td>
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<td>Poloxyl 35 Castor Oil (1 g)</td>
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<td>1601667</td>
<td>Residual Solvent Class 2 - Methylbutylketone (1.2 mL/ampule; 3 ampules)</td>
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<td>F0D202(30-Apr-20)</td>
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<td>1601281</td>
<td>Residual Solvents Class 2 - Mixture A (1.2 mL/ampule; 3 ampules)</td>
<td>R08520</td>
<td>R058XO(30-Apr-20)</td>
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<td>1609614</td>
<td>Salmeterol Related Compound A (20 mg) (4-[1-Hydroxy-2-(4-phenylbutylamino)ethyl]-2-(hydroxymethyl)phenol)</td>
<td>R098M0</td>
<td>R044P0(30-Apr-20)</td>
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<td>1612018</td>
<td>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'-biantracene-2,2'-dicarboxylic acid)</td>
<td>R106T0</td>
<td>G0M556(30-Apr-20)</td>
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<td>Sodium Benzoate (1 g)</td>
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<td>Terbutaline Related Compound A (50 mg) (2-(tert-Butylamino)-1-(3,5-dihydroxyphenyl)ethan-1-one sulfate)</td>
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<td>F0D289(30-Apr-20)</td>
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<td>Thiopeta (500 mg)</td>
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<td>Tizanidine Related Compound C (50 mg) (1-acetylimidazolidine-2-thione)</td>
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<td>F0F224(30-Apr-20)</td>
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<td>Zolpidem Related Compound A (15 mg) (N,N-Dimethyl-2-[7-methyl-2-p-tolylimidazo[1,2-a]pyridin-3-yl]acetamide)</td>
<td>R100U0</td>
<td>F0I065(30-Apr-20)</td>
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<td>p-Toluenesulfonamide (200 mg)</td>
<td>R105R0</td>
<td>F0E162(30-Apr-20)</td>
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**USP RS Lots with a Valid Use Date (VUD) in May 2020**

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<td>Alcohol (1.2 mL/ampule; 5 ampules)</td>
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<td>1044582</td>
<td>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-pyrole-3-carboxamide)</td>
<td>R108G0</td>
<td>R04610(31-May-20)</td>
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<td>1068004</td>
<td>Betamethasone Sodium Phosphate (500 mg)</td>
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<td>Bumetanide Related Compound A (10 mg) (3-Amino-4-phenoxy-5-sulfamoylbenzoic Acid)</td>
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<td>Caprylic Acid (300 mg)</td>
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<td>Carboprost Tromethamine (30 mg)</td>
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<td>Cetyl Palmitate (50 mg)</td>
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<td>Clomiphene Related Compound A (100 mg)</td>
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<td>Cromolyn Related Compound A (25 mg)</td>
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<td>1162148</td>
<td>Cytosine (100 mg)</td>
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<td>Dehydrated Alcohol (1.2 mL/ampule; 5 ampules)</td>
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<td>Dextran 40 Calibration (100 mg)</td>
<td>R113X0</td>
<td>G0L325(31-May-20)</td>
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<td>1179720</td>
<td>Dextran 40 System Suitability (200 mg)</td>
<td>F1B181</td>
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<td>Dextran 70 (50 mg)</td>
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<td>Diethyl Sebacate (1 mL)</td>
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<td>Dolasetron Mesylate Related Compound A (25 mg)</td>
<td>F0C321</td>
<td>(31-May-20)</td>
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<td>Doxazosin Related Compound B (20 mg)</td>
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<td>Emtricitabine System Suitability Mixture B (15 mg)</td>
<td>R105J0</td>
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<td>Ergonovine Maleate (150 mg) (List Chemical)</td>
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<td>Gabapentin Related Compound E (25 mg) (carboxymethyl-cyclohexanecarboxylic acid)</td>
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<td>Glycopyrrolate Related Compound A (50 mg) (5-Nitrobenzene-1,3-dicarboxylic acid)</td>
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<td>Irinotecan Related Compound D (15 mg)</td>
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<td>Lamivudine Resolution Mixture B (10 mg) (This is a mixture of lamivudine (about 94%) and lamivudine diastereomer (about 6%))</td>
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<td>R013V0(31-May-20)</td>
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<td>Lidocaine (250 mg)</td>
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<td>R013A0(31-May-20)</td>
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<td>Linezolid Related Compound D (20 mg) ((R)-3-[3-Fluoro-4-morpholinophenyl]-2-oxooxazolidin-5-yl)methyl methanesulfonate</td>
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<td>F02260(31-May-20)</td>
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<td>Lisinopril Related Compound A (250 mg)</td>
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<td>R079P0(31-May-20)</td>
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<tr>
<td>1399001</td>
<td>Methamphetamine Hydrochloride CII (125 mg)</td>
<td>R10450</td>
<td>I1G299(31-May-20)</td>
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<td>1437508</td>
<td>Methyl Sterate (300 mg)</td>
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<td>R061N0(31-May-20)</td>
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<td>Methylparaben (125 mg)</td>
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<td>1441243</td>
<td>Metoprolol Related Compound B (100 mg) ((+/-)1-Chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]-propane)</td>
<td>R107L0</td>
<td>H1L531(31-May-20)</td>
</tr>
<tr>
<td>1443250</td>
<td>Mexiletine Hydrochloride (200 mg)</td>
<td>R121P0</td>
<td>F3E098(31-May-20)</td>
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<tr>
<td>1444252</td>
<td>Mirtazapine Related Compound D (50 mg) (2-Methyl-1,2,3,4-tetrahydrobenzo[c]pyrazino[1,2-a]pyrido[3,2-f]azepin-10(14bH)-one)</td>
<td>R10960</td>
<td>F0K108(31-May-20)</td>
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<tr>
<td>1474005</td>
<td>Nortriptyline Hydrochloride (200 mg)</td>
<td>J1G063</td>
<td>J0G063(31-May-20)</td>
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<tr>
<td>1494931</td>
<td>Pantoprazole Related Compounds D and F Mixture (20 mg)</td>
<td>R10860</td>
<td>R05000(31-May-20)</td>
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<tr>
<td>1504900</td>
<td>Pentamidine Isethionate (200 mg)</td>
<td>R113U0</td>
<td>F0I205(31-May-20)</td>
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<tr>
<td>1548225</td>
<td>Potassium Citrate (1 g)</td>
<td>R082Y0</td>
<td>F0D201(31-May-20)</td>
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<tr>
<td>1551150</td>
<td>Potassium Sucrose Octasulfate (300 mg)</td>
<td>R11510</td>
<td>R026L0(31-May-20)</td>
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<td>Catalog #</td>
<td>Description</td>
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<td>1576661</td>
<td>Propylene Glycol Monocaprylate Type I (1 g)</td>
<td>R106A0</td>
<td>F0H003(31-May-20)</td>
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<td>1589029</td>
<td>Pyroglutamic Acid (30 mg) ((S)-5-Oxopyrrolidine-2-carboxylic acid)</td>
<td>F050B1</td>
<td>F050B0(31-May-20)</td>
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<tr>
<td>1598744</td>
<td>Ranolazine (100 mg)</td>
<td>R11960</td>
<td>F002D0(31-May-20)</td>
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<td>1600846</td>
<td>Repaglinide Related Compound C (25 mg) ((S)-2-Ethoxy-4-[2-[[2-phenyl-1-[2-(1-piperidinyl)phenyl]ethyl][amino]-2-oxoethyl] benzoic acid)</td>
<td>R117S0</td>
<td>H0L382(31-May-20)</td>
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<td>1601292</td>
<td>Residual Solvents Class 2 - Mixture B (1.2 mL/ampule; 3 ampules)</td>
<td>R08960</td>
<td>R023P0(31-May-20)</td>
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<tr>
<td>1604814</td>
<td>Ritonavir Related Compounds Mixture (50 mg)</td>
<td>R129X0</td>
<td>R084A0(31-May-20)</td>
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<tr>
<td>1614705</td>
<td>Sodium Stearyl Fumarate (200 mg)</td>
<td>R10820</td>
<td>H0M039(31-May-20)</td>
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<tr>
<td>1642824</td>
<td>Tacrolimus 8-epimer (15 mg) (See USP Certificate for full Chemical Name)</td>
<td>R117W0</td>
<td>R08680(31-May-20)</td>
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<tr>
<td>1651009</td>
<td>Tetracycline Hydrochloride (200 mg)</td>
<td>R106N0</td>
<td>R039W0(31-May-20)</td>
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<tr>
<td>1672100</td>
<td>Tomato Extract Containing Lycopene (1 g)</td>
<td>R120T0</td>
<td>F0F001(31-May-20)</td>
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<tr>
<td>1672610</td>
<td>Tramadol Related Compound A CIV (25 mg) ((RS,SR)-1-(3-Methoxyphenyl)-2-(dimethylaminomethyl)cyclohexanol hydrochloride)</td>
<td>R11490</td>
<td>R01610(31-May-20)</td>
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<tr>
<td>1718041</td>
<td>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)</td>
<td>R120M0</td>
<td>F0K273(31-May-20)</td>
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</tbody>
</table>

**USP Reference Standard Lots with an Extended VUD**

*Only includes Lots with a VUD changed from 31July2020 to 31Oct2020 with the exception of USP Amrinone RS which was changed to 31Aug2020 (See additional details on page 1 regarding the extension)*

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
<th>Current Lot (Valid Use Date)</th>
<th>Previous Lot (Valid Use Date)</th>
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<tr>
<td>1195001</td>
<td>Diethylstilbestrol (200 mg)</td>
<td>K5B291 (31Oct2020)</td>
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<tr>
<td>1006506</td>
<td>Acetohydroxamic Acid (200 mg)</td>
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<tr>
<td>1034308</td>
<td>Amrinone (500 mg) (Inamrinone)</td>
<td>G (31Aug2020)</td>
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<tr>
<td>1034341</td>
<td>Amrinone Related Compound B (100 mg) (N-(1,6-dihydro-6-oxo-(3,4'-bipyridine)-5-yl)-2-hydroxypropanamide) (Inamrinone Related Compound B)</td>
<td>F-1 (31Oct2020)</td>
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<tr>
<td>1039006</td>
<td>Anthralin (200 mg)</td>
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<td>1287631</td>
<td>Gadoteridol (500 mg)</td>
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<td>1291005</td>
<td>Gibberellic Acid (200 mg)</td>
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<td>1301404</td>
<td>Guanabenz Acetate (200 mg)</td>
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<td>1308307</td>
<td>Hexylresorcinol (200 mg)</td>
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<td>1344826</td>
<td>Iopromide Related Compound A (50 mg) (5-Amino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triido-N-methyl-1,3-benzenedicarboxamide)</td>
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<td>1344837</td>
<td>Iopromide Related Compound B (50 mg) (5-(Acetylamino)-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triido-N-methyl-1,3-benzenedicarboxamide)</td>
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<td>Catalog #</td>
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<td>1345115</td>
<td>Ioversol Related Compound A (50 mg) (5-Amino-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodoisophthalamide)</td>
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<tr>
<td>1345126</td>
<td>Ioversol Related Compound B (50 mg) (N,N'-bis(2,3-dihydroxypropyl)-5-[(N-(2-hydroxyethyl)-carbamoyl)甲ethoxy]-2,4,6-triiodoisophthalamide)</td>
<td>F (31Oct2020)</td>
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<td>1345228</td>
<td>Ioxilan Related Compound A (100 mg) (5-amino-2,4,6-triiodo-3 N-(2-hydroxyethyl)carbamoyl benzoic acid)</td>
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<td>1352008</td>
<td>Isosorbide (75% solution, 1 g)</td>
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<td>1355753</td>
<td>Kawain (200 mg)</td>
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<td>1367504</td>
<td>Lindane (200 mg)</td>
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<td>1386000</td>
<td>Mephobarbital CIV (250 mg)</td>
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<td>1406005</td>
<td>Methazolamide (500 mg)</td>
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<td>1424222</td>
<td>Methyl Benzyldene Camphor (200 mg)</td>
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<td>1443001</td>
<td>Metamphetamine (200 mg)</td>
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<td>Phenelzine Sulfate (200 mg)</td>
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<td>Promazine Hydrochloride</td>
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<td>Quazepam CIV (200 mg)</td>
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<td>Roxarsone (200 mg)</td>
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<td>S-Allyl-L-cysteine (25 mg)</td>
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<td>Secobarbital CII (200 mg)</td>
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<td>Stanozolol CIII (200 mg)</td>
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<td>Sulfathiazole (350 mg)</td>
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<td>1665003</td>
<td>Thiothixene (250 mg)</td>
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<td>Tocainide Hydrochloride (125 mg)</td>
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<td>1670003</td>
<td>Tolbutamide (200 mg)</td>
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<td>1670502</td>
<td>Tolmetin Sodium (500 mg)</td>
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<td>1686003</td>
<td>Triflupromazine Hydrochloride (200 mg)</td>
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<td>Trisalicylic Acid (100 mg)</td>
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<td>Vanillin (200 mg)</td>
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<td>1720000</td>
<td>Xanthanoic Acid (100 mg)</td>
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</tbody>
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