

Pricing is based on active, level of effort, and compound form and is dependent on Service Level Agreements; the tier placement below is for Injectable Solutions only. When possible send entire contents of container. For additional information please call DYNALABS. This list is for information only.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
5-Flurouracil	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
7-keto DHEA	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Acetylcysteine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Adenosine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Alprostadil	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Amiodarone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Amiodarone HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Amitriptyline	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Amitriptyline HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Amlodipine Besylate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Ampicillin	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Anastrozole	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ascorbic Acid	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Atropine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Atropine Sulfate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Baclofen	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Benzocaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Betamethasone (Base)	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Betamethasone Acetate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Betamethasone Sodium Phosphate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Biotin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Budesonide	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Bumetanide	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Bupivacaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Bupivacaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Buprenorphine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Buprenorphine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Caffeine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Caffeine Citrate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Calcium Chloride Dihydrate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Calcium Citrate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Calcium Gluconate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Carbamazepine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cefazolin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cefazolin Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cefepime	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Cefotaxime	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Cefotaxime Sodium	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Ceftazidime	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ceftriaxone	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Ceftriaxone Sodium	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Cefuroxime	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cefuroxime Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ciprofloxacin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ciprofloxacin HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Clenbuterol	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Clindamycin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Clindamycin HCl	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Clindamycin Phosphate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Clonidine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

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Clonidine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Colchicine	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Cromolyn	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Cyanocobalamin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cyclobenzaprine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cyclobenzaprine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Cyclopentolate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dehydroepianandrosterone (DHEA)	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dexamethasone Acetate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dexamethasone Phosphate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

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Dexamethasone Sodium Phosphate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dexmedetomidine (Precedex)	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dextromethorphan Hydrobromide	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diazepam	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diclofenac	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diclofenac Potassium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diclofenac Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diltiazem	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diltiazem HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Diphenhydramine	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

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Dipyridamole	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dobutamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dopamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Dopamine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Doxepin	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Doxepin HCL	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Droperidol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Edetate Calcium Disodium	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Edetate Disodium	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Ephedrine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.



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Ephedrine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ephedrine Sulfate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Epinephrine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Epinephrine Bitartrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Epinephrine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Estradiol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Estradiol Cypionate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Estradiol Valerate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Estriol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Estrone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

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Etomidate	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Fentanyl	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Fentanyl Citrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Finasteride	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Fluconazole	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Fluorouracil (See 5-FU)	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Flurbiprofen	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Folic Acid	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Furosemide	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Gabapentin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Gentamicin	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Gentamicin Sulfate	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Glutathione Reduced	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Glycopyrrolate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Guaifenesin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hyaluronic Acid	Tier 3	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Hydrocortisone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydrocortisone Acetate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydrocortisone Sodium Phosphate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Hydrocortisone Succinate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Hydromorphone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydromorphone HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydroxocobalamin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydroxocobalamin HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Hydroxyprogesterone Caproate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ibuprofen	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Indocyanine green	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Iohexol	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Ipratropium Bromide	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Itraconazole	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Ketamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ketamine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ketoprofen	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ketorolac	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ketorolac Tromethamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Labetalol HCL	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Leuprolide	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Leuprolide Acetate	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Levothyroxine	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Levothyroxine Sodium	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

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Lidocaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Lidocaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Liothyronine	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Liothyronine Sodium	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Lipoic Acid	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Lorazepam	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Magnesium Chloride Hexahydrate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Magnesium Chloride	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Magnesium Citrate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Magnesium Sulfate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Medroxyprogesterone Acetate	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Meloxicam	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Meperidine	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Meperidine HCL	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Mepivacaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methadone HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methohexital	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methohexital Sodium	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methylcobalamin	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Methylphenidate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Methylprednisolone	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methylprednisolone Acetate	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Methylprednisolone Sodium Succinate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metoclopramide	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metoclopramide HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metoprolol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metoprolol Succinate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metoprolol Tartrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Metronidazole Base	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Midazolam	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.



Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Midazolam HCL	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Milrinone	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Minoxidil	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Mitomycin	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Mometasone Furoate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Morphine Sulfate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Moxifloxacin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Moxifloxacin HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
N-Acetylcysteine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nafcillin	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Nalbuphine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nalbuphine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Naltrexone	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Naltrexone HCL	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nandrolone Decanoate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Neostigmine	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Neostigmine Methylsulfate	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nicardipine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nicardipine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Nifedipine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Nitroglycerin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Norepinephrine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Norepinephrine Bitartrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Norepinephrine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Omeprazole	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Omeprazole Sodium	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Ondansetron	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ondansetron HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Orphenadrine Citrate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Oxytocin	Tier 3	No	Mass Spec	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Pantoprazole	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Pantoprazole Sodium	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Papaverine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Papaverine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Pemoline	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Pentobarbital	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Pentobarbital Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Pentoxifylline	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
PGE-1 (see alprostadil)	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenobarbital	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Phenobarbital Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phentolamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phentolamine Mesylate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenylephrine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenylephrine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenylephrine Tannate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Phenylephrine Tartrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Piperacillin	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Piperacillin Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Piroxicam	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Potassium Bromide	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Potassium Chloride	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Potassium Citrate	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Povidone-Iodine (Betadine)	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Prednisolone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Prednisolone Acetate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Prednisolone Sodium Phosphate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Prednisone	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Pregnenolone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Prilocaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Procaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Procaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Progesterone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Promethazine	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Promethazine HCL	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Proparacaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Proparacaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Propofol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Prostaglandin (see alprostadil)	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Pyridoxine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Pyridoxine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ranitidine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ranitidine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Remifentanil	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Rifampicin	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Rocuronium Bromide	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ropivacaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ropivacaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Sildenafil	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.



Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Sildenafil Citrate	Tier 1	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Sodium Bicarbonate	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Sodium Chloride	Tier 3	No	IC	IC	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Sodium Citrate	Tier 2	No	HPLC/UPLC	5mL	Time Studies will be potency over time. Method linearity, accuracy and precision verified. Degradation studies not performed.
Sodium Thiosulfate	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Spironolactone	Tier 3	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Succinylcholine	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Succinylcholine Chloride	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Sufentanil	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Sufentanil Citrate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Tazobactam	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Tazobactam Sodium	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Testosterone	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Testosterone Cypionate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Testosterone Enanthate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Testosterone Propionate	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Tetracaine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Tetracaine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Thiamine	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Thiamine HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Tramadol	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Tramadol HCL	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Triamcinolone Acetonide	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Triamcinolone Diacetonide	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Tromethamine	Tier 2	No	Titration	Titration	Multi-actives and excipients may deem sample untestable. Formula review may be required.
Tropicamide	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Ubidecarenone (Co-Enzyme Q10)	Tier 2	No	UV	5mL	Formulation cannot contain Preservatives, Flavorings, Dyes, and cannot be multi-active. Formula review may be required.
Vancomycin	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Vancomycin HCL	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Vecuronium Bromide	Tier 2	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.

Active	Tier Placement for Injectable Solutions	Stability Indicating	Methodology	Minimum Sample Amount (per active per time point).	Notes
Verapamil	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.
Zosyn (Piperacillin and Tazobactam)	Tier 1	Yes	HPLC/UPLC	5mL	Validated at the API level according to USP 1225 Category 1, complete with degradation studies. Validation Extension required for each formulation.