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### Pharmaceutical Manufacturing

#### Dissolution

| Code       | Description                                                                 |
|------------|------------------------------------------------------------------------------|
| 710816     | Simulated Gastric Fluid (without Pepsin), 0.2% (w/v) Sodium Chloride in 0.7% (v/v) Hydrochloric Acid |
| 71097516   | Simulated Intestinal Fluid (without Pancreatin), USP XXII Formulation         |
| 710916     | Simulated Intestinal Fluid TS                                                |

#### pH

| Code       | Description                                                                 |
|------------|------------------------------------------------------------------------------|
| 150216     | Buffer, Precision Reference Standard, pH 4.000 ± 0.002 at 25°C (Color Coded Red) |
| 151316     | Buffer, Precision Reference Standard, pH 6.000 ± 0.002 at 25°C                |
| 155216     | Buffer, Precision Reference Standard, pH 7.000 ± 0.002 at 25°C (Color Coded Yellow) |
| 160216     | Buffer, Precision Reference Standard, pH 10.000 ± 0.005 at 25°C               |
| R14892001A | Buffer, pH 1.00, USP Reagent                                                 |
| R15832001A | Buffer, pH 8.00, USP Reagent                                                 |

#### Conductivity

| Code       | Description                                                                 |
|------------|------------------------------------------------------------------------------|
| 5885116    | Potassium Chloride Conductivity Standard, 10 µS/cm (10 µmho/cm) at 25°C       |
| 13622604   | Potassium Chloride Conductivity Standard, 100 µS/cm (100 µmho/cm) at 25°C     |
| 5888011    | Potassium Chloride Conductivity Standard, 1 mS/cm (1000 µmho/cm) at 25°C      |
| 22431      | Conductivity/TDS Standard, 1 mS/cm (1000 µmho/cm) at 25°C, 495 ppm as NaCl     |
| 22361      | Conductivity Standard, 10 µS/cm (10 µmho/cm) at 25°C 4.7 ppm as NaCl          |
| 22411      | Conductivity/TDS Standard, 500 µS/cm (500 µmho/cm) at 25°C, 240 ppm as NaCl   |

#### Color and Achromicity

| Code       | Description                                                                 |
|------------|------------------------------------------------------------------------------|
| R4621001500| Matching Fluid A, for USP Color Testing                                      |
| 4621G16    | Matching Fluid G, for USP Color Testing                                      |
| R4621011500| Matching Fluid K, USP - for Color and Achromicity                           |

**Tightest specifications in the industry with minimal lot-to-lot variance.**
| USP <191> | Identification Tests-General aka Test |
|-----------|-------------------------------------|
| 310916    | Ferric Chloride TS, 9% (w/v) Aqueous Solution |
| R06946120 | Ammonium Sulfide TS |
| 40001     | Iodine (Iodine-Iodide), 0.100 Normal (N/10) |
| 19816     | Chlorine Water, Saturated Aqueous Solution, approximately 0.3% (w/v) |
| 70001     | Silver Nitrate, 0.100 Normal (N/10) |
| 504516    | Methyl Red TS, 0.1% (w/v) Alcoholic Solution |
| 6791      | Ammonium Oxalate TS, 3.5% (w/v) Aqueous Solution |
| 17851     | Calcium Hydroxide TS, Saturated Aqueous Solution |
| 56221     | Phenolphthalein TS/RS, 1% (w/v) Alcoholic |
| R061620050 | Ammonia TS 2 |
| 46616     | Mercuric Chloride TS |
| 249416    | Cupric Sulfate TS, 12.5% (w/v) Aqueous Solution |
| 696916    | Ammonium Thiocyanate TS, 8% (w/v) Aqueous Solution |
| 617516    | Ammoniacal Potassium Ferricyanide TS |
| 64001     | Potassium Permanganate, 0.100 Normal (N/10), 0.0200 Molar (M/50) |
| 61816     | Ammonium Acetate TS, 10% (w/v) Aqueous Solution |
| 60051     | Potassium Chromate TS, 10% (w/v) Aqueous Solution, Chloride Free, Indicator for Argentometric Titrations |
| 716116    | Sodium Carbonate TS, 2.00 Normal Aqueous (10.6 g/100 mL) |
| 626516    | Ammonium Chloride TS, 10.5% (w/v) Aqueous Solution |
| 622516    | Ammonium Carbonate TS |
| 752216    | Sodium Phosphate, Dibasic TS, 12% (w/v) Aqueous Solution |
| 412416    | Iodine and Potassium Iodide TS 1 |
| 178316    | Calcium Chloride TS, 7.5% (w/v) Aqueous Solution |
| 546616    | Oxalic Acid TS, 6.3% (w/v) Aqueous Solution |
| 604116    | Potassium Dichromate TS, 7.5% (w/v) Aqueous Solution |
| 67416     | Ammonium Molybdate TS |
| 645816    | Potassium Pyroantimonate TS |
| 85416     | Barium Chloride TS/RS, 12% (w/v) Aqueous Solution |
| 429316    | Lead Acetate TS, 9.5% (w/v) Aqueous Solution |
| R4788000500 | Mercurous Nitrate TS |
| 74501     | Sodium Hydroxide, 1.00 Normal |
| 627216    | Ammonium Chloride-Ammonium Hydroxide TS |
| 10251     | Biuret Reagent TS |
| 120216    | Bromocresol Green TS, 0.05% (w/v) Alcoholic Solution |
| 122116    | Bromocresol Green-Methyl Red TS |
| 131016    | Bromocresol Purple TS, 0.1% (w/v) in dilute Sodium Hydroxide |
| USP <191> | Identification Tests-General aka Test |
|---------|-------------------------------------|
| 23016   | Acetone, Buffered TS                |
| R0623300120 | Ammonia Cyanide TS                |
| 623516  | Ammonia-Ammonium Chloride Buffer TS |
| 68616   | Ammonium Phosphate TS/RS, 13% (w/v) Aqueous Solution |
| 698316  | Ammonium Vanadate TS               |
| 89832   | Barium Hydroxide TS, Saturated Aqueous Solution, pH 12.9 |
| 899516  | Barium Nitrate TS                  |
| 135716  | Bromophenol Blue TS, 0.1% (w/v) in dilute Alcohol |
| 137816  | Bromothymol Blue TS, 0.1% (w/v) in 50% (v/v) Alcohol |
| 1823516 | Calcium Sulfate TS, Saturated Aqueous Solution |
| 220816  | Cobaltous Chloride TS, 2% (w/v) in dilute Hydrochloric Acid |
| 225316  | Congo Red TS                       |
| 245016  | Cresol Red TS, 0.04% (w/v) Aqueous Solution |
| 245516  | Cresol Red-Thymol Blue TS          |
| 248316  | Crystal Violet (Gentian Violet) Indicator, 1% (w/v) in Glacial Acetic Acid, for Nonaqueous Titrations |
| 248716  | Cupric Acetate TS                  |
| 248816  | Cupric Acetate TS, Stronger        |
| 249316  | Cupric Citrate TS, Alkaline        |
| 254916  | Dichlorofluorescein TS, 0.1% (w/v) in Dilute Alcohol |
| 25544   | Diodofluorescein TS, 0.5% (w/v) in Dilute Alcohol |
| 260516  | Diphenylcarbazone TS, 1% (w/v) Alcoholic Solution |
| 266416  | Edetate Disodium TS, 0.1% (w/v) in 5% (v/v) Alcohol |
| 285816  | Eosin Y TS, 0.5% (w/v) Aqueous Solution, Adsorption Indicator for Argentometric Titrations |
| 290116  | Eriochrome Black TS                |
| 290316  | Eriochrome Cyanine TS              |
| 305816  | Ferric Ammonium Sulfate TS, 8% (w/v) Aqueous Solution |
| 328716  | Glycerin Base TS                   |
| 410216  | Iodobromide TS                     |
| R4124300500 | Iodine and Potassium Iodide TS 3 |
| R4289500 | Lanthanum Nitrate TS               |
| 4293816 | Lead Acetate TS, Alcoholic, 2% (w/v) Alcoholic Solution |
| R4312000120 | Lead Subacetate TS                |
| 454816  | Magnesium Sulfate TS, 12% (w/v) Aqueous Solution |
| 462916  | Mercuric Acetate TS, 6% (w/v) in Glacial Acetic Acid |
| 476516  | Mercuric-Potassium Iodide TS, Mayer's Reagent |
| 477916  | Mercuric Sulfate TS, Denigès’ Reagent |
| Code     | Description                                                                 |
|----------|-----------------------------------------------------------------------------|
| 486216   | Methylene Blue TS, 0.05% (w/v) Alcoholic                                      |
| R5045200500 | Methyl Red TS 2                                                             |
| 509016   | Methyl Red-Methylene Blue TS, Alcoholic Mixed Indicator                      |
| 522716   | p-Naphtholbenzein TS, 0.25% (w/v) in Glacial Acetic Acid                    |
| 523116   | Naphthylethylenediamine Dihydrochloride TS                                  |
| 525532   | Nessler’s Reagent (Mercuric - Potassium Iodide TS, Alkaline), USP 25        |
| 527116   | Neutral Red TS, 0.1% (w/v) in 50% Alcohol                                    |
| 5464816  | Orthophenanthroline TS, 0.025 M Phenanthroline Ferrous Sulfate             |
| 572116   | pH 4.7 Phenol Red TS                                                        |
| 572316   | Phenol Red TS, 0.1% (w/v) Alcoholic                                         |
| 577216   | Phenylhydrazine - Sulfuric Acid TS                                          |
| 577516   | Phloroglucinol TS, 2% (w/v) Alcoholic Solution                               |
| 585916   | Phosphotungstic Acid TS                                                    |
| 586616   | Potassium Acetate TS, 10% (w/v) Aqueous Solution                            |
| 5882516  | Potassium Carbonate TS, 7% (w/v) Aqueous Solution                           |
| 612516   | Potassium Hydroxide TS, 6.50% (w/v) Aqueous Solution                        |
| 63071    | Potassium Iodide TS, 16.5% (w/v) Aqueous Solution, Stabilized              |
| 654016   | Potassium Sulfate TS, 1% (w/v) Aqueous Solution                             |
| 661916   | Resorcinol TS                                                               |
| 710916   | Simulated Intestinal Fluid TS                                              |
| 711316   | Sodium Acetate TS, 13.6% (w/v) Aqueous Solution                             |
| 719816   | Sodium Chloride TS, Alkaline                                                |
| 72471    | Sodium Hydroxide, 4% (w/v) Aqueous Solution (40 g/L)                        |
| 785216   | Sodium Tartrate TS, 11.5% (w/v)                                             |
| 785416   | Sodium Tetraphenylboron TS                                                 |
| 810416   | Sulfanilic Acid TS, 0.8% (w/v) in Glacial Acetic Acid                      |
| 811416   | Sulfomolybdic Acid TS                                                       |
| 83934016 | Thioacetamide TS, 4% (w/v) Aqueous Solution                                 |
| 842216   | Thymol Blue TS/RS, 0.1% (w/v) in Alcohol                                    |
| 846016   | Thymolphthalein TS/RS, 0.1% (w/v) in Alcohol                                |
| 79501    | Sodium Thiosulfate, 0.100 Normal (N/10)                                    |
### Drug Discovery

#### Stains

| Code   | Description                                                                 |
|--------|----------------------------------------------------------------------------|
| 325016 | Giemsa Stain, Stock, for Blood and Tissue Staining, and Staining of Malarial Parasites in Blood |
| 93501  | Wright's Stain, Rapid Formula, for Staining and General Differentiation of Blood Corpuscles |
| 938016 | Wright-Giemsa Stain Mixture                                                |
| 35301  | Hematoxylin Stain Solution, Modified Harris Formulation (Mercury Free), Nuclear Stain for General Histology and Cytology |
| 35351  | Hematoxylin Stain Solution, Gill 1 Formulation, Regular Strength, for Staining Delicate Nuclei in Progressive Cytology |
| 35361  | Hematoxylin Stain Solution, Gill 2 Formulation, Double Strength, for More Intense Nuclei in Progressive Cytology Staining and for Staining Delicate Nuclei in Progressive Histology Staining Procedures |
| 35371  | Hematoxylin Stain Solution, Gill 3 Formulation, Triple Strength, for Frozen or Plastic Imbedded Sections, and for More Intense Nuclei in Progressive Histology Staining |
| 55001  | Papanicolaou Stain, EA-36-50 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure |
| 55051  | Papanicolaou Stain, EA-65 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure |
| 55101  | Papanicolaou Stain, OG-6 Formula, Modified, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure |
| 55111  | Papanicolaou Stain, Gill's Modified EA Formula, Acidified Cytoplasmic Counterstain for use with Hematoxylin Stains |
| 55121  | Papanicolaou Stain, Gill's Modified OG-6 Formula, Counterstain for use with Hematoxylin Stains in the Papanicolaou Staining Procedure |

### Detergents

| Code   | Description                      |
|--------|----------------------------------|
| 8698516| Triton® X-100 Wetting Agent      |
### Chelators
A substance that binds particular ions, removing them from solution, e.g., EDTA is a chelator of divalent cations such as Mg++.  

| Code             | Description                                           |
|------------------|-------------------------------------------------------|
| RDCS0720500      | Sodium Oxalate ACS Reagent Grade                     |
| RDCE0220500      | EDTA, Disodium, Dihydrate, ACS Reagent Grade         |

### Calibration Buffers - Precision Reference

| Code             | Description                                                                 |
|------------------|-----------------------------------------------------------------------------|
| 150216           | Buffer, Precision Reference Standard, pH 4.000 ± 0.002 at 25°C (Color Coded Red) |
| 151316           | Buffer, Precision Reference Standard, pH 6.000 ± 0.002 at 25°C               |
| 155216           | Buffer, Precision Reference Standard, pH 7.000 ± 0.002 at 25°C (Color Coded Yellow) |
| 160216           | Buffer, Precision Reference Standard, pH 10.000 ± 0.005 at 25°C              |
| R14892001A       | Buffer, pH 1.00, USP Reagent                                               |
| R15832001A       | Buffer, pH 8.00, USP Reagent                                               |

### Titrants

| Code | Description                  |
|------|------------------------------|
| 74501| Sodium Hydroxide, 1.00 Normal |
| 70001| Silver Nitrate, 0.100 Normal (N/10) |
| 36001| Hydrochloric Acid, 0.100 Normal (N/10) |
| 83001| Sulfuric Acid, 1.00 Normal    |
| 79501| Sodium Thiosulfate, 0.100 Normal (N/10) |
| 6951 | Ammonium Thiocyanate, 0.100 Normal (N/10) |
| 474516| Mercuric Nitrate, 0.100 Molar (M/10), 0.200 Normal (N/5) |
| 40001| Iodine (iodine-iodide), 0.100 Normal (N/10) |

### Control Buffers

| Code  | Description                                              |
|-------|----------------------------------------------------------|
| 145032| Buffer Solution, Giordano, pH 6.4 (M/15), for Wright Staining |
| 147416| Buffer Solution, pH 3.5 R                                |
