Medication Formulary

**Generic Name:** Mannitol

**Brand Name:** Osmitrol

**Class:** Osmotic Diuretic

**Actions:** Promotes the movement of fluid from the intracellular space into the extracellular space.

**Onset:** 1-3 hours for diuresis, <15 minutes to reduce Intracranial Pressure.

**Duration:** 4-6 hours (diuretic), 3-8 hours (ICP)

**Indications:** Cerebral Edema, Increased Intracranial Pressure, Blood Transfusion Reaction.

**Contraindications:** Hypersensitivity, Hypotension, Active Internal Bleeding, Dehydration, Hyponatremia, Severe Pulmonary Edema, Hypovolemia, Severe Renal Disease.

**Side Effects:** Volume Overload, Pulmonary Edema, Renal Failure, CHF, Hypotension, Electrolyte Imbalance.

**Interactions:** May cause Digitalis Toxicity if given with Digitalis.

**Administration Routes:** IV, IO

**Notes:** Must use an inline filter. Mannitol may crystallize at low temperatures, may need to rewarm until clear.