Medication Formulary

**Generic Name:** Epinephrine - Racemic

**Brand Names:** MicroNefrin

**Class:** Sympathomimetic

**Actions:** Endogenous nucleotide that directly stimulates \( \alpha \), \( \beta_{1} \), & \( \beta_{2} \) adrenergic receptors. May cause rapid increase of blood pressure, ventricular contractility, and heart rate. Causes vasoconstriction in the cutaneous arterioles, mucosa, and spleen, antagonizes histamine.

**Onset:** 5 minutes

**Duration:** 1-3 hours

**Indications:** Acute allergic reactions, acute asthma attack, croup (laryngotracheobronchitis) laryngeal edema.

**Contraindications:** Hypersensitivity (unlikely), hypovolemia, coronary insufficiency, epiglottitis.

**Side Effects:** Dysrhythmias, tachycardia,

**Interactions:** MAO inhibitors and bretylium may potentiate the effect of epinephrine, \( \beta \) adrenergic antagonists may blunt response, may be deactivated by Sodium Bicarbonate, Furosemide, and other alkaline solutions.

**Administration Routes:** Inhaled