

Albuterol

Indications: Bronchospasm with or without wheezing, hyperkalemia

Contraindications: None in the emergency setting

ADULT DOSING

Indication	Dose	Rate & Route	Note
Bronchospasm	2 MDI Puffs	Inhaled	May repeat q 5 minutes x 3 PRN
Hyperkalemia	2.5 mg/3ml 1 unit vial	Nebulizer	Continuous as needed

ADULT DOSING

PEDIATRIC DOSING

Indication	Dose	Rate & Route	Note
Bronchospasm	2.5 mg/3ml	Nebulizer	Continuous as needed

PEDIATRIC DOSING

Precautions / Side Effects Palpitations, Tachycardia, Anxiety, Nervousness, Dizziness, HA, Tremor, N/V, Less frequent HTN, Dysrhythmias, Chest Pain

Interactions Antagonistic Effects—Beta blockers

Class Beta2 Agonist, Sympathomimetic

Mechanism of Action Acts selectively on Beta2 receptor sites in the lungs, relaxing bronchial smooth muscle, decreasing airway resistance, & relief of bronchospasm. Although Albuterol is beta selective, it will cause some CNS stimulation, cardiac stimulation, increased diuresis, & gastric acid secretion.

Onset of Action < 5 minutes **Peak Effect** 30 minutes **Duration of Action** 3 to 6 hours