

## ALBUTEROL (PROVENTIL)

### Indications:

- Bronchospasm (may or may not hear wheezing)

### Contraindications:

- None in the emergency setting

### Side Effects:

- Palpitations
- Tachycardia
- Anxiety/Nervousness
- Dizziness
- Headache
- Tremor
- N/V
- Less frequent HTN, Dysrhythmias, Chest Pain
- Antagonistic Effects: Beta blockers
- Additive Effects: MAOI's, TCA's, other sympathomimetic drugs

**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.

**Concentration:** 2.5 mg/3 ml

### Dosage:

#### Adult:

- **Allergic Reaction**  
5.0 mg via Nebulizer. Repeat as needed.
- **Bronchospasm (Asthma/COPD)**  
5.0 mg via Nebulizer. Repeat as needed.

#### Pediatric:

- **Allergic Reaction**  
Less than 10 kg use 2.5 mg via, Greater than 10 kg use 5 mg via nebulizer. Repeat as needed.
- **Bronchospasm (Asthma)**  
Less than 10 kg use 2.5 mg, Greater than 10 kg use 5 mg via nebulizer. Repeat as needed.