Classification
Cholinesterase Reactivator

Prehospital Indications
HAZMAT Exposure: nerve agent or organophosphate poisoning

Other Common Indications
Antidote to toxicity from agents (neostigmine, pyridostigmine) used in treatment of myasthenia gravis

Adult Dose
Given in conjunction with atropine as a DuoDote injection – Atropine 2.1mg and Pralidoxime Chloride 600mg (2PAMCl). Medications delivered sequentially by one syringe into 2 different areas of the muscle.

Mild Exposure **DuoDote™ IM x1**
Moderate Exposure **DuoDote™ IM x2**, one after another
Severe Exposure **DuoDote™ IM x3**, one after another

Pediatric Dose
Pediatric patients longer than the length-based resuscitation tape (Broselow™) should receive adult dose.
Pediatric patients between 3-36kg body weight, based on measurement using the length-based resuscitation tape (Broselow™), should be treated as follows:

Mild Exposure **Atropine (0.1mg/mL) 0.02mg/kg IV/IM**, dose as per **MCG 1309**
Moderate Exposure **1 DuoDote™ IM**
Severe Exposure **1 or 2 DuoDote(s)™ IM**, one after the other when applicable, based on the table below:

<table>
<thead>
<tr>
<th>Avg. Wt. (kg)</th>
<th>Color</th>
<th>Initial Emergency Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Grey</td>
<td>1 DuoDote™</td>
</tr>
<tr>
<td>6.5</td>
<td>Pink</td>
<td></td>
</tr>
<tr>
<td>8.5</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>10.5</td>
<td>Purple</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>16.5</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>20.5</td>
<td>Blue</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Orange</td>
<td>2 DuoDotes™</td>
</tr>
<tr>
<td>33</td>
<td>Green</td>
<td></td>
</tr>
</tbody>
</table>

Mechanism of Action
Reactivates cholinesterase by displacing the enzyme from its receptor sites. The free enzyme then can resume its function of degrading accumulated acetylcholine, thereby restoring normal neuromuscular transmission. Pralidoxime also detoxifies some organophosphates by direct chemical reaction.

Pharmacokinetics
Onset is 2-3 min; peak effect in 5-15 min; duration is 2-3 hr

Contraindications
Poisonings with carbamate insecticide Sevin, inorganic phosphates, organophosphates with no anticholinesterase

Interactions
None

Adverse Effects
Dizziness
Blurred vision
Hypertension
Laryngospasm
Tachycardia