# Recommended Anesthetic Agents: *Rabbits*

<table>
<thead>
<tr>
<th>Rabbits</th>
<th>Name / Dose</th>
<th>Route</th>
<th>Needle Gauge</th>
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<tbody>
<tr>
<td><strong>IV Induction:</strong> Ketamine (5 mg/kg) / Diazepam (0.25 mg/kg)</td>
<td>IV</td>
<td>20 - 25 G IV Catheter</td>
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</table>
| Telazol (3-4 mg/kg) / Xylazine (4-5 mg/kg)  
*NOTE:* Give Xylazine first to allow sedation followed by Telazol in 2-5 minutes. | SC / IM | ≤ 22 |
| Ketamine (35-40 mg/kg) / Xylazine (3-5 mg/kg)  
*NOTE:* Give Xylazine first to allow sedation followed by Ketamine in 2-5 minutes. | SC / IM | ≤ 22 |
| **Isoflurane:** Induction chamber or face mask (3.5 - 4.5%) Maintenance via face mask or intubation (1.5 - 3%)  
*Define delivery gas, e.g., 100% O₂*  
*NOTE:* Rabbits should be intubated if anesthetized >1hr. | Inhalation via precision vaporizer with scavenger system | NA |
| **Sevoflurane:** Induction chamber or face mask (4.5 - 7%) Maintenance via face mask (3 - 4.5%), less if intubated.  
*Define delivery gas, e.g., 100% O₂*  
*NOTE:* Rabbits should be intubated if anesthetized >1hr. | Inhalation via precision vaporizer with scavenger system | NA |
| **Propofol (8-14 mg/kg)** - suitable for minimally invasive procedures (< 6 min).  
Give 1/2 dose and monitor for 10-20 sec to evaluate effect prior to administering 1/4 dose, evaluate again before administering rest of dose (excessive dose can cause apnea). | IV | ≤ 22 |
| Propofol induction and continued anesthesia: Induce with Propofol (1.5-2 mg/kg) IV with maintenance CRI at (1 mg/kg/min) via IV catheter. | IV (induce)  
IV Catheter (maintenance CRI) | ≤ 22 |

**IV** - intravenous  
**SC** - subcutaneous  
**IM** - intramuscular  
**CRI** - continuous rate infusion

**References:**  
Lumb and Jones' Veterinary Anesthesia, 3rd Edition  
Plumb, Veterinary Drug Handbook, 3rd Edition  
Univ. of Colorado, Denver, Veterinary Anesth. & Analgesic Formulary, 3rd Edition