

## Tacrolimus

<b>Form:</b>	5mg in 1ml ampoule																																								
<b>Reconstitution:</b>	Already in solution <b>Further dilute before administration</b>																																								
<b>Administration Method:</b>	<p><b>IV Infusion</b> Dilute the required dose to 48mL with compatible fluid and infuse at 2ml/hour over 24 hours.</p> <table border="1"> <thead> <tr> <th>Total oral daily dose (mg)</th> <th>Daily dose for IV infusion (mg)</th> <th>Volume of concentrate (5mg/ml)</th> <th>Total Volume of infusion fluid (ml)</th> <th>Rate (ml/hour)</th> </tr> </thead> <tbody> <tr> <td>2mg</td> <td>0.4mg</td> <td>0.08ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>2.5mg</td> <td>0.5mg</td> <td>0.1ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>3mg</td> <td>0.6mg</td> <td>0.12ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>3.5mg</td> <td>0.7mg</td> <td>0.14ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>4mg</td> <td>0.8mg</td> <td>0.16ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>4.5mg</td> <td>0.9mg</td> <td>0.18ml</td> <td>48ml</td> <td>2</td> </tr> <tr> <td>5mg</td> <td>1mg</td> <td>0.2ml</td> <td>48ml</td> <td>2</td> </tr> </tbody> </table>	Total oral daily dose (mg)	Daily dose for IV infusion (mg)	Volume of concentrate (5mg/ml)	Total Volume of infusion fluid (ml)	Rate (ml/hour)	2mg	0.4mg	0.08ml	48ml	2	2.5mg	0.5mg	0.1ml	48ml	2	3mg	0.6mg	0.12ml	48ml	2	3.5mg	0.7mg	0.14ml	48ml	2	4mg	0.8mg	0.16ml	48ml	2	4.5mg	0.9mg	0.18ml	48ml	2	5mg	1mg	0.2ml	48ml	2
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<b>Extravasation</b>	Extravasation may cause tissue damage due to the low pH of the solution.																																								
<b>Compatibility &amp; Stability:</b>	Sodium chloride 0.9% Glucose 5%																																								
<b>Special Notes:</b>	<ul style="list-style-type: none"> <li>Tacrolimus is absorbed by PVC plastics. A non-PVC infusion container (Baxter Viaflo<sup>®</sup>, Braun Ecoflac<sup>®</sup>) and infusion set (Braun infusomat Space line 8700036SP or Baxter VMC9627) should be used.</li> <li>The concentration of a solution for infusion should be within the range 0.004 - 0.1 mg/ml.</li> <li>The total volume of infusion during a 24-hour period should be in the range 20 – 500ml.</li> <li>The daily intravenous dose is one-fifth of the total oral daily dose, and subsequent dose adjustment is based on plasma levels of tacrolimus.</li> </ul>																																								

**Information provided relates to Prograf<sup>®</sup> manufactured by Atellas Pharma.**

*This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542*