# Drug Protocol

**Newborn Service John Hunter Children’s Hospital**

*This protocol has been prepared for use in the Neonatal Intensive Care Unit.*

<table>
<thead>
<tr>
<th>DRUG</th>
<th>INTRAGAM</th>
<th>Intravenous Immunoglobulin</th>
</tr>
</thead>
</table>
| INDICATIONS | Neonatal alloimmune thrombocytopenia  
Haemolytic jaundice  
Fulminant neonatal sepsis |
| PRESENTATION | Supplied from Blood Bank in 10, 50, 200 mL bottles. Contains 6% blood proteins of which at least 98% is immunoglobulin. |
| RECONSTITUTION & DILUTION STABILITY | Not required  
Store at 2-8 degrees C. Once removed from refrigeration, store below 25°C and use within 3 months. |
| DOSAGE | For haemolytic disease of the newborn 1 gm/kg (See other comments below for guideline)  
For other conditions 500-750 mg/kg per dose  
Neonatal alloimmune thrombocytopenia 400 mg/kg to 1 gram/kg usually one dose. Additional doses at 24 hour interval have been used in some studies |
| ADMINISTRATION | Over 2-6 hours as an infusion  
**DO NOT FILTER.** |
| COMPATIBILITY | Fluids & Solutions: 5% glucose, 10% glucose, 15% glucose, glucose - amino acid mixtures  
Injection Site: Fluconazole |
| INCOMPATIBILITY | Fluids: no data  
Drugs: no data |
| ADVERSE EFFECTS | Rare cases of hypoglycaemia, transient tachycardia and hypotension that have resolved after stopping infusion.  
Reported acute renal failure, renal dysfunction, osmotic diuresis, and death. Use with caution in patients predisposed to renal dysfunction. |
| OTHER COMMENTS | Monitor heart rate and blood pressure  
Can interfere with immunisation for up to 3 months later.  
Commence IVIG in Rh isoimmunisation as soon as possible especially if cord SBR and/or early post-natal SBR is in the exchange zone  
Guidelines for Total Serum Bilirubin (TSB) for IVIG Administration in Term Healthy ABO-incompatible Coombs-positive Neonates^2^  
First 12 hours of age: TSB ≥204 mmol/L despite trial of phototherapy (4 hr minimum)  
12 to 24 hours of age: TSB ≥272 mmol/L despite trial of phototherapy (4 hr minimum)  
24 to 72 hours of age: TSB ≥306 mmol/L despite trial of phototherapy (4 hr minimum) |
| STORAGE & STABILITY | Store at 2-8 degrees C and protect from light |

**COMPILED** June 2010  
**Review** June 2015
REFERENCES    Intravenous Immunoglobulin

Neofax 2009
Problems in Paediatric Drug Therapy 4th Ed. L A Pagliaro & A M Pagliaro