# Drug Protocol
**Newborn Service John Hunter Children’s Hospital**

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

<table>
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<tr>
<th><strong>DRUG</strong></th>
<th><strong>COTRIMOXAZOLE</strong> (Bactrim®) Combination Antibiotic</th>
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| **INDICATIONS** | Susceptible infections  
Urinary tract infection prophylaxis |
| **PRESENTATION** | Oral suspension 240 mg in 5 mL (sulfamethoxazole 200 mg, trimethoprim 40 mg)  
IV solution 480 mg in 5 mL (sulfamethoxazole 400 mg, trimethoprim 80 mg) |
| **RECONSTITUTION & DILUTION** | Oral not required  
IV dilute 1 mL of solution in 25 mL of a compatible fluid (see Compatibility below) |
| **STABILITY** | Any turbid or discoloured solutions should be discarded. |
| **DOSAGE** | Same dose IV or oral  
0 – 7 days of age >1 kg  
> 7 days > 1 kg  
| For oral prescribe as mL (dose is 0.5 mL / kg / dose)  
For urinary tract infection prophylaxis dose daily |
| **ADMINISTRATION** | Oral with food  
IV infusion over 60 – 90 min |
| **COMPATIBILITY** | Fluids & Solutions: 5 % glucose, 10 % glucose, glucose 4 % / sodium chloride 0.18 %, normal saline 0.9 %, ½ normal saline 0.45 %, Hartmann's injection  
Injection Site: No data |
| **INCOMPATIBILITY** | Fluids: Other fluids  
Drugs: Fluconazole, foscarnet, linezolid, midazolam, pantoprazole, verapamil |
| **ADVERSE EFFECTS** | Anorexia, jaundice (esp. in G6PD deficiency), kernicterus, vomiting, marrow suppression especially neutropenia |
| **OTHER COMMENTS** | Contraindicated in premature, newborn infants < 8 wks (interferes with bilirubin binding to albumin --> risk of kernicterus)  
Reduce dose or increase dosing interval in renal dysfunction  
Not a first line antibiotic for neonates. Ensure organism is sensitive to these antibiotics  
Folate antagonist  
Increases half life of phenytoin |
| **STORAGE & STABILITY** | Store at room temp and protect from light |
| **COMPILED** | June 2010  
**Review** June 2015 |
REFERENCES: Cotrimoxazole

Problems in Paediatric Drug Therapy 4th Ed. L A Pagliaro & A M Pagliaro
MIMS on line - full product information.