**DRUG:** PIPERACILLIN-TAZOBACTAM (Tazocin®, Tazopip®)

**PRESENTATION:** Each vial contains Piperacillin 4g Tazobactam 500mg

**ALERTS & RESTRICTIONS:** Antimicrobial Restriction: Category B ORANGE Monitored

**ACTION & INDICATION:** Combination of a penicillin (piperacillin) and a beta lactamase inhibitor (tazobactam).
- Intra-abdominal infection
- Hospital-acquired pneumonia
Not suitable for treatment of CNS infections due to limited penetration.

**DOSE:** Dose expressed as piperacillin component.

<table>
<thead>
<tr>
<th>Corrected Gestational Age</th>
<th>Postnatal Age</th>
<th>Dose</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;30 weeks</td>
<td>≤28 days</td>
<td>100mg/kg/dose</td>
<td>12 hourly</td>
</tr>
<tr>
<td></td>
<td>&gt;28 days</td>
<td>100mg/kg/dose</td>
<td>8 hourly</td>
</tr>
<tr>
<td>30-36 weeks</td>
<td>≤14 days</td>
<td>100mg/kg/dose</td>
<td>12 hourly</td>
</tr>
<tr>
<td></td>
<td>&gt;14 days</td>
<td>100mg/kg/dose</td>
<td>8 hourly</td>
</tr>
<tr>
<td>&gt;36 weeks</td>
<td>≤7 days</td>
<td>100mg/kg/dose</td>
<td>12 hourly</td>
</tr>
<tr>
<td></td>
<td>&gt;7 days</td>
<td>100mg/kg/dose</td>
<td>8 hourly</td>
</tr>
</tbody>
</table>

**PREPARATION:** IV: Use solution prepared by Pharmacy if available. If premade solution is not available, use the following process to prepare a 100mg/mL solution.

Diluent: Water for Injections
Intravenous: Add 37mL of diluent to a 4g vial = 100mg/mL

**ADMINISTRATION:** IV Infusion: Infuse over 30 minutes.

**ADVERSE EFFECTS:** Hypersensitivity reactions, eosinophilia, hyperbilirubinaemia, elevated LFTs, elevated serum creatinine, hypotension, vomiting, diarrhoea, thrombophlebitis.

**COMMENTS:** Dosage adjustment may be required in cases of renal impairment.

IV Aminoglycosides are inactivated by IV Penicillins and Cephalosporins.
If both are prescribed, flush the line well with Sodium Chloride 0.9% before and after giving each medication.

Each 1gram of piperacillin contains 2.35mmol (54mg) of sodium.

**REFERENCES:** Neofax 2014
BNF for Children 2014
Paediatric Dosage Handbook 17th ed.
SHPA Injectable Drugs Handbook 6th ed.