### Antibiotics used in this study

<table>
<thead>
<tr>
<th>Antibiotics used in this study</th>
<th>References for indications in sepsis</th>
<th>References for use in animal models</th>
</tr>
</thead>
</table>
| Daptomycin                    | • 4-6 mg/kg/day (Tompkins & Harnicar, 2008).  
  • reviewed in (Trotman, Williamson, Shoemaker, & Salzer, 2005). | • Our study: 30 mg/kg  
  • Experimental foreign body S.aureus infection (30mg/kg) (Vaudaux et al., 2003).  
  = NB: Level of Plasma and tissue cage fluids at 1 h is 100 and 8 mg/L respectively.  
  • *S. aureus* endocarditis (25-40mg/kg) (Sakoulas, Eliopoulos, Alder, & Thauvin-eiliopoulos, 2003).  
  = NB: dose selection was refered to as mimicking human dose. |
| Erythromycin                  | • 1-3 mg/kg/day (Nguyen et al., 2007).  
  • reviewed in (Hawkyard & Koerner, 2007). | • Our study: 5 mg/kg.  
  • 1-10mg/kg (McCormack, Snipes, Dillon, Yang, & Finn, 1990).  
  • Laparotomy: 1mg/kg (De Winter et al., 1999). |
| Imipenem                      | • Peritonitis: 500mg every 6 hours, 1000mg every 8 hours and 1000mg every 6 hours: Peritoneal fluid and plasma levels in patients in ICU peak is ~40min, but sufficient levels in 1h to act as anti-bacterial (Dahyot-Fizelier et al., 2010).  
  • neonatal sepsis: 20 mg/kg (Lu, 2011).  
  • Reviewed in (Legrand, Max, Schlemmer, Azoulay, & Gachot, 2011; Trotman et al., 2005). | • Our study: 20 mg/kg.  
  • CLP model of sepsis: 20 mg/kg (Ghiselli et al., 2002). |
| Linezolid                     | • MRSA nosocomial pneumonia: 10-15 mg/kg, with half life of 3h in children and 5h in adults, reviewed in (Chiappini, Conti, Galli, & De Martino, 2010).  
  • Reviewed in (Trotman et al., 2005). | • Our study: 25 mg/kg.  
  • Model of intra-abdominal abscess: 25 mg/kg (Schülín, Thauvin-Eliopoulos, Moellering, & Eliopoulos, 1999). |
| Tigecycline                   | • Intra-abdominal infections: 100 mg iv, then 50mg i.v. every 12h (Stein & Craig, 2006).  
  • Use of 12.5 – 300mg or 25-50 mg given every 12 h, and half-life of ~36 h, reviewed in (Noskin, 2005).  
  • (Swoboda et al., 2008). | • Our study: 5 mg/kg.  
  • *E. faecalis* peritonitis (mice): 5.7 mg/kg (Nannini, Pai, Singh, & Murray, 2003). |
**Tobramycin**
- Cystic fibrosis: 10 mg/kg/day (Aminimanizani, 2002).
- Sepsis: 5 mg/kg/day (Gibson et al., 1993).
- Reviewed also in (Legrand et al., 2011).
- Our study: 25 mg/kg.
- 25 mg/kg/day (Barza, Pinn, Tanguay, & Murray, 1978).

**Vancomycin**
- MRSA in children: 40-70 mg/kg/day (Frymoyer, Hersh, Coralic, Benet, & Guglielmo, 2010).
- 15-20 mg/kg every 8-12 h (Broome & So, 2011).
- Reviewed also in (Legrand et al., 2011; Trotman et al., 2005).
- Our study: 70 mg/kg.
- Endocarditis: 25 mg/kg i.p. every 8 h (Patel, Rouse, Piper, & Steckelberg, 2001).
- *S. aureus*: 50 mg/kg/day (Murillo et al., 2009).

---


