

# LPS Induced Endotoxemia (Cytokine Production)

**Principle:** Bacterial LPS are known TLR4 ligand which result in NFkB mediated cytokine release.

**Animals:** Male BALB/c mice, 6-8 weeks old, 20-25g

**Stimulant:** Lipopolysaccharide (E. coli O111:B41), (Sigma) 100µl, intra-peritoneal.

**End-point:** 1. Plasma/serum TNF-α levels by ELISA  
2. Other serum/plasma cytokines  
3. Plasma/Brain exposure levels of compound.

**Reference Compound:** Dexamethasone

