

Product Information

MPLA

CAT#: E126

Product Information

Description/Features	Monophosphoryl Lipid A [MPLA] derived from <i>S. minnesota</i> R595 (Re) TLRpure LPS (biosynthetic)
Origin	<i>S. minnesota</i> strain R595
Forms	Liquid. Colourless opaque aqueous solution.
Purity	≥99.9%. No detectable DNA, RNA and protein traces.
Concentration	1mg/ml (0.5mg/ml for 250µg size) stabilised in sterile, double-distilled water (ddWater), without any additives.
Biological Activity	Optimal concentration is dependent upon cell type, species, desired activation and analysis: 0.1-1.0µg/ml. Does not activate any TLR other than TLR4 as tested up to 50µg/ml in relevant cellular systems (macrophages).
Usage	Do not freeze. Ready-made solution is cell culture-grade. Prepare diluted MPLA working solutions in water just prior to use, keep sterile. To yield a 100µg/ml (1,000-100x) stock solution add 100µl of MPLA to 900µl endotoxin-free and sterile ddWater (not PBS) and mix well.
Storage	Stable for at least 2 years after receipt when stored at +4°C.