

LIPID MAPS Solution Protocol

Solution name: Sonicated Kdo₂-lipid A Working Solution

Solution name abbreviation: Sonicated 1000x Working Solution

Protocol ID: PS0000001401

Version: 01

Volume: 1 ml

Components:

Reagent	Source	Catalog or Protocol No.	F.W. or Stock Conc.	Quantity	Final Concentration
Sonicated Stock Kdo ₂ -lipid A	LIPID MAPS	PS0000000701	1 mg/ml	100 µl	100 µg/ml
DPBS	Cellgro	21-031-CV	100%	900 µl	

Solution Preparation:

1. Thaw the Sonicated Stock Kdo₂-lipid A solution if necessary.
2. Sonicate in a bath sonicator (NOT with tip sonicator) for 5 minutes. For maximum sonication efficiency, the water level in the bath should be adjusted to produce maximum standing waves. The sample should be placed in the center of the wave, and the level of immersion adjusted to produce the maximum standing wave in the sample. The solution should appear uniformly opalescent.
3. Dilute 100 µl of the 1 mg/ml Kdo₂-lipid A stock solution with 900 µl DPBS in a 1.5 ml sterile Eppendorf tube.
4. Prior to addition to cells, sonicate the 1000x working solution in a bath sonicator for 5 minutes.
5. Store at -20 °C.

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