

LPA Instructions:  
Final Concentration: 3.0mM

- Measure out between 0.002 and 0.001 grams of LPA (freezer). Use the balance that goes to five decimal spaces.
- Convert the grams to milligrams.
- Divide mg LPA by 1.213 mg/mL. The resulting number from this calculation will give you the number of mL of PBS that you need to add to the powdered LPA.
- Vortex for 30 – 120 seconds
- Sonicate powder and PBS in a **glass** tube in a room temp sonicating waterbath until the LPA is dissolved. Rotate the tube to keep lipid from gathering on side of the glass. The solution should be clear.

Notes: Some use fatty acid free BSA as a carrier when dissolving this. IF using from chloroform LPA – slowly dry under stream of nitrogen gas while rotating tube and keeping warm in hand. Hard, thick lump of dried lipid may not go into solution well.