

		Concentration (μM)						
		250	500	750	1000	1250	1500	
Volume (mL)	50	5.0	9.9	14.9	19.8	24.8	29.8	Quinine Needed (mg)
	100	9.9	19.8	29.8	39.7	49.6	59.5	
	150	14.9	29.8	44.7	59.5	74.4	89.3	
	200	19.8	39.7	59.5	79.4	99.2	119.1	
	250	24.8	49.6	74.4	99.2	124.0	148.8	
	500	49.6	99.2	148.8	198.5	248.1	297.7	
	1000	99.2	198.5	297.7	396.9	496.1	595.4	

Directions: mix appropriate volume of quinine and your appropriate solvent in bottle with stir bar and a little bit of heat (to help quinine get into solution). Since it's very hard to measure such small volumes, if you are off by a bit and can't compensate exactly, go to this website (graphpad.com/quickcalcs/Molarityform) and using the "Volume from Mass and Concentration" module, enter the following:

- Mass (whatever has been weighed out already)
- Formula Weight: 396.91
- Concentration (desired concentration from above)

Add the corresponding amount of solvent relative to what is already weighed out. Cover bottle with foil (quinine is light sensitive), label bottle, and let stir for a few hours or ideally overnight.