

Making Antibiotics

No	Description/Details of Steps in Activity	Hazards	Possible Accident / Ill Health & Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control
1	Weigh out antibiotics in a blue falcon tube. Prepare antibiotic concentrations to 100ug/mL.	Spillage of antibiotics	Accidental inhalation or ingestion of antibiotics	wear proper PPE (gloves, lab coat, covered shoes).	1	1	1	
2	Add MilliQ water to blue falcon tube. Vortex and allow to incubate at room temperature till antibiotics are dissolved.	Spillage of antibiotics	Accidental inhalation or ingestion of antibiotics	wear proper PPE (gloves, lab coat, covered shoes).	1	1	1	
3	Filter the antibiotics through a 0.2um filter using a sterile syringe in the bacterial BSC. Prepare aliquots of 250ul or less of antibiotics as working stock for concentration according to the antibiotic concentrations listed in the recommended amounts and store in antibiotics drawer in the -20 fridge.	Spillage of antibiotics	Accidental inhalation or ingestion of antibiotics	wear proper PPE (gloves, lab coat, covered shoes).	1	1	1	