

## pDST Calculator - Step 2 Instructions

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### Parameters

Drug	Crit. Conc. ( $\mu\text{g/ml}$ )	Org. Mol. Wt. (g/mol)	Purch. Mol. Wt. (g/mol)	MGIT Tubes
Amikacin (AMK)	1.00	585.6	600.00	5.0
Bedaquiline (BDQ)	1.00	555.5	555.50	4.0

### Calculations

Drug	Potency	Working Solution Concentration ( $\mu\text{g/ml}$ )	Working Solution Volume (ml)
Amikacin (AMK)	1.02	84.00	0.70
Bedaquiline (BDQ)	1.00	84.00	0.60

### Aliquot Planning

Drug	Number of Aliquots	Volume per Aliquot (ml)	Total Aliquot Volume (ml)
Amikacin (AMK)	4.0	3.00	12.00
Bedaquiline (BDQ)	5.0	1.00	5.00

### Stock Solution Preparation

Drug	Drug to Weigh Out (mg)
Amikacin (AMK)	10.33
Bedaquiline (BDQ)	0.84

### Enter Weighed Value

Drug	Weighed Value (mg)
Amikacin (AMK)	
Bedaquiline (BDQ)	

### Instructions:

1. Review the calculated values above
2. Ensure all equipment and materials are prepared according to your laboratory protocols
3. Weigh out the required amounts of each drug according to above calculations
4. Return to this session and enter actual weights in Step 3