



Product Specifications

TETRACYCLINE HCl

Catalog #	Size
IB02200	25gm

Physical Specifications

CAS#	64-75-5
Molecular Formula	$C_{22}H_{24}N_2O_8HCl$
Molecular Weight	480.90
Potency	Min. 900 μ g/mg
pH (1%, water)	2.3 \pm 0.5
Moisture	Max. 2.0%
4-ephianhydrotetracycline	Max. 2.0%

Molecular Biology Specifications

Antibiotic Inhibition/Sensitivity Assay Pass

Recommended Use

Tetracycline Hydrochloride is used at the following working conditions:

	<u>Stock Solution</u>	<u>Working Concentration</u>	
		<u>Stringent</u>	<u>Relaxed</u>
		<u>Plasmids</u>	<u>Plasmids</u>
Tetracycline Hydrochloride	5mg/mL in H ₂ O.	10 μ g/mL	50 μ g/mL

NOTE: Stock solution of antibiotics dissolved in H₂O should be sterilized by filtration through a 0.22-micron filter.

Storage

Store at +4°C. Warm to room temperature before opening. Keep tightly sealed. Store Tetracycline Hydrochloride solution in a light- tight container at -20°C

Warning

Poison. Federal law prohibits dispensing without prescription. Not for use in humans. Not for drug use. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly with water after handling. See Material Safety Data Sheet for additional information.