



Product Specifications

CHLORAMPHENICOL

Catalog #	Size
IB02080	25gm

Physical Specifications

CAS#	56-75-7
Molecular Weight	323.13
Molecular Formula	$C_{11}H_{12}Cl_2NaO_5$
Melting Point	149-153°C
pH (2.5%, water)	6.0 ± 1.5
Purity	97.0 – 103.0%

Molecular Biology Specifications

Antibiotic Inhibition/Sensitivity Assay	Pass
Identification	Pass
Crystallinity	Pass
Chromatographic Purity	Pass

Recommended Use

Chloramphenicol is used in the amplification of plasmids and colony hybridizations.

	<u>Stock Solution</u>	<u>Working Concentration</u>	
		Stringent	Relaxed
		Plasmids	Plasmids
Chloramphenicol	34mg/mL in ethanol	25µg/ml	170µg/mL

NOTE: Antibiotics dissolved in ethanol need not be sterilized

Storage

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

Warning

Poison. Suspected carcinogen. 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 soap and water after handling. See Material Safety Data Sheet for additional information.