

## CHLORAMPHENICOL SUPPLEMENT

**CAT N°: 6804**

For *E.coli* in molecular genetics studies

### FORMULA PER VIAL

Chloramphenicol 25 g

### PREPARATION

Add chloramphenicol powder or a sterile chloramphenicol solution to LB medium (Cat.1551, Cat.1552, Cat.1266, Cat.1308, Cat.1231, Cat.1083) to get the desired final concentration ( $\mu\text{g}/\text{mL}$ ). Autoclaved and cooled to 50°C. Mix well and distribute into sterile containers.

PRODUCT	CAT.	PACK SIZE
CHLORAMPHENICOL SUPPLEMENT	6804	1 Vial
LURIA BROTH (MILLER'S LB BROTH)	1551	500 g
LURIA AGAR (MILLER'S LB AGAR)	1552	500 g
LURIA BROTH (MILLER'S MODIFICATION)	1266	500 g
LURIA AGAR (MILLER'S MODIFICATION)	1308	500 g
LB BROTH (LENNOX)	1231	500 g
LB AGAR (LENNOX)	1083	500 g

### USES

CHLORAMPHENICOL is used with LB Media for the isolation of bacteria modified with a plasmid that includes a chloramphenicol resistance gen. Chloramphenicol inhibits translation by blocking peptidyl transferase on the 50S ribosoma unit and at higher concentrations can inhibit eukaryotic DNA synthesis.

The Stock solution can be prepared with Ethanol, in a concentration of 34 mg/ml and should be stored at -20°C. The working concentrations is 25 $\mu\text{g}/\text{ml}$  for stringent plasmids and a concentration of 170  $\mu\text{g}/\text{ml}$  for relaxed plasmids.

### BIBLIOGRAPHY

Atlas, R.M., L.C.Parks (1993) Handbook of Microbiological Media. CRC Press, Inc. London

The condensed protocols from molecular cloning: a laboratory manual/ Joseph Sambrook, David W .Russell

### STORAGE

When stored as indicated, supplements remain stable until the stated expiry date shown on the label.

