

# Tetracycline Solution

Shipping: On Dry/Blue Ice

Catalog numbers

Batch No.: See vial

BIO-87030 : 1 x 10ml



A Meridian Life Science® Company

Store at -20°C

## Storage and stability:

Tetracycline Solution is shipped on dry/blue ice. On arrival store at -20°C for optimum stability.

## Expiry

When stored under the recommended conditions and handled correctly, full activity of the kit is retained until the expiry date on the outer box label.

**CAS Number:** 64-75-5

## Safety precautions:

This product is for R&D use only, not for human use, or any other use. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Please refer to the material safety data sheet for information regarding hazards and safe handling practice.



Xn: HARMFUL



F: FLAMMABLE

## Quality control specifications:

Tetracycline Solution is extensively tested for activity and absence of contamination prior to release.

## Notes

Research Use Only.

## Description

Tetracycline inhibits protein synthesis by preventing the binding of aminoacyl-tRNA to the 30S ribosomal subunit. Tetracycline resistance is mediated by a protein (*tet* gene), which modifies the bacterial membrane and prevents the transport of tetracycline into the cell.

## Features

- Cost effective ready-to-use solutions
- Time saving
- Stable at -20°C
- Avoids handling of toxic or harmful substances
- No sterile filtration required

## Applications

- Cell culture
- Plasmid selection
- Gene regulation

## Concentration

12.5mg/ml in 90% Ethanol

## Product Citations :

1. Lança, A.S. *et al. Exp. Parasitol.* **127(1)**, 18-24 (2011).
2. Dassanayake, R.P., *et al. Vet. Microbiol.* **133(4)**, 366-371 (2009).
3. Silva, M.S., *et al. Parasitol. Res.* **105(5)**, 1223-1229 (2009).

## Associated Products

Product Name	Pack Size	Catalog No.
α-Select Gold Efficiency	1ml (20 x 50µl)	BIO-85027
α-Select Electrocompetent	1ml (10 x 100µl)	BIO-85028
CH <sub>3</sub> - Blue Competent Cells	1ml (10 x 100µl)	BIO-85039
SOC Medium	10 x 10ml	BIO-86033

Bioline Reagents Ltd  
UNITED KINGDOM

Tel: +44 (0)20 8830 5300  
Fax: +44 (0)20 8452 2822

Bioline USA Inc.  
USA

Tel: +1 508 880 8990  
Fax: +1 508 880 8993

Bioline GmbH  
GERMANY

Tel: +49 (0)33 7168 1229  
Fax: +49 (0)33 7168 1244

Bioline (Aust) Pty. Ltd  
AUSTRALIA

Tel: +61 (0)2 9209 4180  
Fax: +61 (0)2 9209 4763