

## *M. tuberculosis* Gyrase Buffers



### Product Description (MTB001 and MTB002)

For use with *M. tuberculosis* DNA gyrase enzyme and overexpressed cell extracts containing *M. tuberculosis* DNA gyrase. Store at -80°C.

**For *in vitro* laboratory research use only.**

#### Dilution Buffer (1X)

50 mM Tris.HCl (pH 7.9)  
5 mM DTT  
30 % (w/v) glycerol

#### Assay Buffer (supplied as 5X stock)

50 mM HEPES. KOH (pH 7.9)  
6 mM magnesium acetate  
4 mM DTT  
1 mM ATP  
100 mM potassium glutamate  
2 mM spermidine  
0.05 mg/ml albumin

#### Supercoiling Assay

1 U of gyrase is incubated with 0.5 µg of relaxed pBR322 in a reaction volume of 30 µl at 37°C for 30 minutes in Assay Buffer.

Gels are run in the absence of Ethidium Bromide or Chloroquine.

