

S. aureus DNA Gyrase Assay and Dilution Buffers



Product Description (Product Numbers #SAB001 and SAB002)

For use with *S. aureus* DNA gyrase enzyme and over expressed cell extracts containing *S. aureus* DNA gyrase. Store at -20 °C.

For *in vitro* laboratory research use only.

Dilution Buffer

50 mM Tris.HCl (pH 7.5)
1 mM DTT
1 mM EDTA
40 % (w/v) glycerol

Assay Buffer (supplied as 5X stock)

40 mM Hepes.KOH (pH 7.6)
10 mM magnesium acetate
10 mM DTT
2 mM ATP
500 mM potassium glutamate
0.05 mg/ml albumin

Supercoiling Assay

1 U of DNA 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.

