

A.baumannii Topoisomerase IV Assay Buffer



Product Description (Product Numbers ABDB001 and ABDB002)

A.baumannii topoisomerase IV assay and dilution buffers for use with *A.baumannii* Topoisomerase IV
For *in vitro* laboratory research use only.

Dilution Buffer

100 mM potassium phosphate (pH 7.6)
1 mM DTT
1 mM EDTA
30 % (v/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
50 µg/ml albumin

Decatenation Assay

1 U of topoisomerase IV will decatenate 200 ng of kDNA when incubated in 1X assay buffer in a total reaction volume of 30 µl at 37°C for 30 minutes.

Gels can be run in the presence or absence of Ethidium Bromide or Chloroquine which will resolve nicked OC DNA from relaxed.

