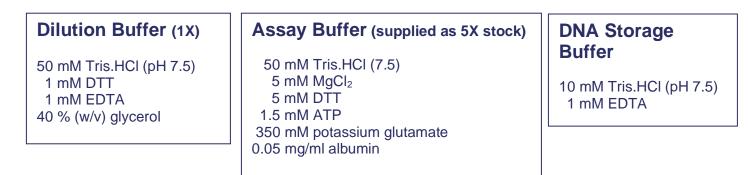
S. aureus Topoisomerase IV Relaxation Kit



Product Description (Product Numbers SAR4001 and SAR4002)

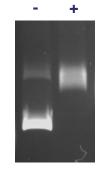
S. aureus topo IV is purified after heterologous expression in *E. coli* and is supplied as a complex of the subunits. The enzyme is supplied at a minimum concentration of 5 U/µl in Dilution Buffer. Store at -80°C.

It is recommended that the enzyme is aliquoted (undiluted) to avoid repeated freeze-thaw cycles. For *in vitro* laboratory research use only.



Relaxation Assay

1 U of topo IV will relax 0.5 μ g of supercoiled pBR322 when incubated in 1X buffer in a total reaction volume of 30 μ l at 37°C for 30 minutes. Gels are run in the absence of Ethidium Bromide or Chloroquine. Sa topo



Relaxed topoisomers

SC

Quality Control

 Purity: *S. aureus* topo IV is purified to > 95 % purity as judged by SDS-polyacrylamide gel electrophoresis. 2) pBR322 was also incubated for 4 hrs in assay buffer + 10 mM MgCl₂ at 37 °C. These tests were negative for the formation of linear products, indicating the absence of nuclease contamination.
No activity was detecable when the single subunits were assayed alone