

# Human Topoisomerase I Buffers



## Product Description (Product Numbers HTA101 and HTD102)

For use with human topoisomerase I enzyme and overexpressed cell extracts containing human topoisomerase I.

Store at -80 °C.

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

### Dilution Buffer

10 mM Tris.HCl (pH 7.5)  
1 mM DTT  
1 mM EDTA  
50 % (v/v) glycerol  
100 µg/ml albumin

### Assay Buffer (supplied as 10X stock)

20 mM Tris.HCl (pH7.5)  
200 mM NaCl  
0.25 mM EDTA  
5 % glycerol  
50 µg/ml albumin

### Relaxation Assay

1 U of topoisomerase I will relax 0.5 µg of supercoiled pBR322 when incubated in Assay Buffer in a total reaction volume of 30 µl at 37 °C for 30 minutes.

Gels are run in the absence of ethidium bromide or chloroquine.

