



## Product Description

Topo II Buffer is supplied as a 10x Stock solution in two parts that must be mixed prior to use:

1. 10x Incomplete Topo II Assay Buffer A contains the following: 0.5M Tris-HCl (pH8.0), 1.5M NaCl, 0.1M MgCl<sub>2</sub>, 5 mM dithiothreitol, 300ug BSA/ml.
2. 10x ATP Buffer B contains 20 mM ATP in water. These two buffers must be mixed to prepare a final 5x working stock of assay buffer. Furthermore, the final 5x Complete Buffer contains both A and B and should be made fresh for each experiment. Do not freeze the 5x Complete Buffer; it is stable for 24 hours on ice. To Prepare the 5x Complete Buffer, mix equal volumes of A and B (0.1ml of A and 0.1ml of B) and place at 4°C or on ice.

### Quality Control Analysis:

The 5x Complete Topo II Assay Buffer (containing equal parts A and B above) is optimized and tested for decatenation and relaxation activity of eukaryotic topo II.

### Shipping and Storage Instructions:

The two-part buffer is shipped at room temperature (or on dry ice if included with enzyme) but should be stored at -20°C. The 5x Topo II Complete Assay Buffer is stable for 24 hours at 4°C. The Complete Buffer should be made fresh for each experiment.

#### Product Application and Disclaimer

This product is not licensed or approved for administration to humans or animals. It may be used with experimental animals only. The product is for in vitro research diagnostic studies only. The product is non-infectious and non-hazardous to human health. This information is based on present knowledge and does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. TopoGEN, Inc. shall not be held liable for product failure due to mishandling and incorrect storage by end user. TopoGEN's liability is limited to credit or product replacement.