

# *E. coli* Topoisomerase IV Assay Buffer

## **Catalog Number:**

**4032 1ml Buffer A, 100ul Buffer B**



### **Description**

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

1. Incomplete Buffer A contains the following: 200mM HEPES-KOH [pH7.6], 500mM potassium glutamate, 50mM magnesium aspartate, 50mM dithiothreitol, 250ug BSA/ml.
2. ATP Buffer B contains 100mM ATP in water.

These two buffers must be mixed to prepare a final 10x complete Topo IV Assay Buffer (A+B) as follows: add 0.1 volume of Buffer B to 1.0 volume Buffer A. Prepare only as much of the complete Topo IV Assay Buffer (A+B) as needed for each day or set of experiments. Note that this buffer should be kept on ice and used the same day, then discarded.

### **Quality Control Analysis**

The complete Topo IV Assay Buffer (A+B) is optimized and tested for decatenation and relaxation activity of *e. coli* topo IV.

### **Storage and Shipping Conditions**

The two-part buffer is shipped on blue ice (or on dry ice if included with enzyme) and should be stored at -20°C. The complete Topo IV Assay Buffer (A+B) 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.



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