



- 1. Product Identification** E. coli DNA Gyrase (TG2000G-1, TG2000G-3, TG2000G-5, TG2000G-7) is a DNA reactive enzyme purified to homogeneity from the bacterium, E. coli. The enzyme is 99.99% pure and certified free of other proteins. The reagent is non-toxic in an aqueous storage buffer that lacks preservatives. The buffer is aqueous and nontoxic.
- 2. Hazard Identification** Material is non-hazardous, non-infectious, and non-toxic.
- 3. Composition Active Ingredient** DNA gyrase (type II topoisomerase) enzyme. Other ingredients in water (volume varies from 0.02-1ml): Tris-Cl (tris hydroxymethylaminomethane-chloride), KCl (Potassium Chloride), DTT (Dithiothreitol), EDTA, and glycerol.
- 4. First Aid Measures** In case of contact with skin, wash immediately with soap and water. In case of contact with eyes, flush with water and seek medical advice if discomfort persists.
- 5. Fire Fighting Measures** Extinguishing media: water spray, carbon dioxide, dry chemical powder or foam as required.
- 6. Accidental Release Measures** Wear appropriate protective clothing. Absorb onto sand or vermiculite and place in closed container for disposal.
- 7. Storage and Handling** The product should be stored at -70 C. Product is stable for short periods on wet ice. Avoid multiple freeze/thaw cycles. Special requirements: heat sensitive. Avoid contact with eyes, skin, and clothing.
- 8. Exposure Controls and Personal Protection** Wear gloves and appropriate protective clothing to avoid contact with skin and eyes.
- 9. Physical and Chemical Properties** Aqueous, colorless liquid.
- 10. Stability and Reactivity** Stable. The possibility of reaction with other substances cannot be excluded.
- 11. Toxicological Information** Some constituents may cause skin or eye irritation.
- 12. Ecological Information** No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.
- 13. Disposal Considerations** Dispose of in accordance with local rules and regulations.

**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.

14. **Transport Information** Not subject to transport regulations.

15. **Regulatory Information** Ingredients are not classified as dangerous or toxic according to US Classification. Harmful if swallowed. Products are for in-vitro use only and not certified for use with humans.

16. **Other Information** The above information is believed to be correct but does not purport to be all-inclusive and shall only be used as a guide. TopoGEN, Inc. and its officers, employees, and agents shall not be held liable for any claims brought by third parties due to damage resulting from handling or contact with the above product.

Country of origin: USA

Manufacturer: TopoGEN, Inc., Buena Vista, CO 81211