

Buffer Set for Ligation

Following Buffers can be ordered from us.

Assay buffers:

Cohesive end Ligation Buffer (1X): 50 mM Tris-HCl (pH 7.4), 10 mM MgCl₂, 20 mM DTT, 50 µg/ml Nuclease free BSA and 1 mM ATP.

Buffer supplied at **10X** concentration.

Blunt end ligation Buffer (1X): 50 mM Tris - HCl (pH 7.4), 10 mM MgCl₂, 1 mM DTT, 5% (W/V) Polyethylene glycol-8000 and 1mM ATP.

Buffer supplied in **5X** concentration.

Store at **-20°C**

Ordering Information:

Product	Size	Cat #
Blunt-end Ligation Buffer	0.5 ml x 2	105868
Cohesive - end Ligation Buffer	0.5 ml x 2	105869
Cohesive & Blunt end Buffer	0.5 ml each	105870
Dilution Buffer for T4 DNA Ligase	0.5 ml x 2	105871

Test DNA for Ligation

Substrate for T4 DNA Ligase: Lambda/*Hind* III Digest is supplied in **10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.**

Store at **-20°C**

Ordering Information:

Product	Size	Cat #
Substrate for T4 DNA Ligase	25 µg	105668

GeNei™ Competent Cells Preparation Kit (A)

Description: Kit contains reagents for quick, cost effective preparation of chemically competent cells for transformation of bacteria. The competent cells can be used immediately or stored at -70° C. Typically transformation efficiency is greater than or equal to 10⁵ to 10⁶ transformants per microgram using *E. coli* DH5[∞] and pUC19 plasmid DNA depending upon the experimental conditions.

Ordering Information:

Product	Size	Cat #
GeNei™ Competent Cells Preparation Kit (A)	1 Pack	105567

Reagents are sufficient to carry out 100 transformations of 50 µl each of competent cells.

All reagents are supplied in sterile condition.

Storage:

4°C: Competent Cell Preparation Solution & Glycerol).

RT: Media.

Materials provided:

1. Competent Cell Preparation Solution.
2. Glycerol.
3. Tryptone, Yeast Extract, Sodium Chloride and Bacto Agar.
4. Instruction Manual.