



Shikhar Biotech Pvt Ltd
Khumaltar, Lalitpur, Nepal,
P.O.Box 21608
Phone: +977-1-5545788
Email: Info@shikharbiotech.com

Product Datasheet

Chemically Competent *E.Coli* Cells # SB-60-3001

Description

SB chemically competent *E. coli* strain is derived from the HB101 *E. coli* strain. It is suitable for high efficiency transformation. Unlike TOP10 *E. coli*, these cells reduce the frequency of homologous recombination of long terminal repeats (LTRs) found in lentiviral expression Vectors and other retroviral vectors.

- Optimal performance for the propagation of non-viral vectors (Plasmid DNA), adeno associated viral and lentiviral vectors.
- Enhanced genomic cloning capacity (mcrB, mrr)
- Expected efficiency of $>1 \times 10^8$ transformants/ μg plasmid DNA
- High DNA yields

Genotype

F-mcrB mrrhsdS20(rB-, mB) recA13 supE44 ara14 galK2 lacY1 proA2 rpsL20(StrR) xyl-5 λ -leumtl-1

Contents and Storage

- SB Competent *E. coli*: 5 vials, 100 μl each
- pUC19 DNA (10 $\text{pg}/\mu\text{l}$): 1 vial, 10 μl
- S.O.C. medium: 1 bottle, 2.5 ml

Store Competent Cells at -80°C . Store pUC19 DNA at -20°C . Store SOC Medium at 4°C or at room temperature.