



Catalog# CVB-T7 POL - Chemically competent cells from *E. coli* BL21DE3 strain

Cells are supplied as 10 vials of 100 μ l liquid culture in 30% glycerol. Store at -80°C .

About the Strain BL21DE3

CVB-T7 POL are chemically competent cells from *E. coli* BL21DE3 strain. These cells are optimized for protein expression, not for cloning. The BL21DE3-T7 is the familiar T7 expression strain that carries the T7 polymerase integrated into the lamda attB plus the addition of the pBirAcm plasmid for over-production of the BirA enzyme. The pBirAcm (colE1 compatible - compatible with most expression vectors) plasmid uses the IPTG inducible; Tac promoter and is co-induced with the T7 expression.

We recommend maintaining the pBirAcm with chloramphenicol (10 $\mu\text{g}/\text{ml}$) until the overnight is diluted to get the cell culture growing exponentially prior to induction.

Note: Recombinant proteins made as insoluble inclusion bodies in the BL21DE3 host strain are not biotinylated efficiently even with the BirA over-production provided by the pBirAcm vector.

Storage: Store at -80°C .

If you have any questions, please do not hesitate to call Avidity. Thanks for your order!