



Fusion BioLabs M13KO7 Helper Phage Information

SKU# MPG-L: M13KO7 Helper Phage; Low concentration; 2.0×10^{11} pfu/ml

SKU# MPG-H: M13KO7 Helper Phage; High concentration; 2.0×10^{12} pfu/ml

Product Information

The **M13KO7 Helper Phage** is an essential component in **phage display** experiments.

- The M13KO7 Helper Phage is used alongside a **phagemid** (a plasmid containing the phage origin of replication) in phage display experiments.
- When a phagemid with a wild-type M13 or f1 origin is present, the M13KO7 Helper Phage selectively packages and secretes single-stranded phagemid DNA into the culture medium.
- This process allows easy production of single-stranded phagemid DNA for subsequent display of antibody fragment, such as scFv, Fab and VHH, and peptides or affibody on the phage surface.

Product Source

M13KO7 Phage supernatant is isolated from infected *E. coli* TG1 by a standard procedure.

Reagents Supplied

Catalog #	Concentration	Amount	Stored at (°C)
MPG-L	2.0×10^{11} pfu/ml	1.0 ml	-20
MPG-H	2.0×10^{12} pfu/ml	1.0 ml	-20

References

1. Vieira, J. and Messing, J. (1987). R. Wu and L. Grossman(Ed.), *Methods Enzymol.*. 153, 3-11. San Diego: Academic Press.
2. Sambrook, J. and Russell, D.W. (2001). *Molecular Cloning: A laboratory Manual*, (3rd ed.),. 3.17-3.32. Cold Spring Harbor: Cold Spring Harbor Laboratory Press.