

# E.coli XL1-blue

## Summary

Code	P010
Strains Resistance	tetracycline
Culture Medium	LB
Condition	37 C ,under the aerobic conditions
Genotype	XL1-Blue Genotype: recA1 endA1 gyrA96 thi-1 hsdR17 supE44 relA1 lac [F' proAB lacIq ZΔM15 Tn10 (Tetr )]. (Genes listed signify mutant alleles. Genes on the F' episome, however, are wild-type unless indicated otherwise).

## Description

XL-1 cells are tetracycline resistant. XL1-Blue cells are endonuclease (endA) deficient, which greatly improves the quality of miniprep DNA, and are recombination (recA) deficient, improving insert stability. The hsdR mutation prevents the cleavage of cloned DNA by the EcoK endonuclease system. The lacIq ZΔM15 gene on the F' episome allows blue-white color screening. The XL1-Blue strain allows blue-white color screening for recombinant plasmids and is an excellent host strain for routine cloning applications using plasmid or lambda vectors.

## Related products

Product name	Size	Cat#
pComb3Xss	10μg	P001
pComb3XTT	10μg	P002
pComb3XLambda	10μg	P003
pComb8	10μg	P004
pCANTAB5E	10μg	P005
Helper phage M13K07	1mL	P006
Helper phage VCSM13	1mL	P007
E.coli TG1	1mL	P008
E.coli ER2738	1mL	P009
E.coli XL1-blue	1mL	P010
E.coli SS320	1mL	P012
E.coli TOP10 F'	1mL	P016

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