BCCM · GeneCorner

**Bacterial host strain**

# Escherichia coli K12 BW313

These validated data are a snapshot at a given moment; further updates are always possible.

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|---|---|
| Species: | *Escherichia coli* |
| Group: | K12 |
| Strain designation: | BW313 |
| Accession number: | **LMBP 1325** |
| Deposit date: | 01/01/1998 |
| Depositor: | Prof. Dr E. Remaut[1 2]<br>[1] Department for Molecular Biomedical Research, VIB, Ghent, Belgium<br>[2] Department of Biomedical Molecular Biology, Ghent University, Ghent, Belgium |
| Other culture collection numbers: | CGSC 6796 |
| Containment level: | This strain has been assigned the containment level 'Class 1' following the European Directive 2009/41/EC on the contained use of genetically modified organisms, and its updates (see also the Belgian risk group classification). |
| Medium: | LB-Lennox |
| Selection marker: | / |
| Cultivation temperature: | 37°C |
| Original reference: | Kunkel, Proc. Natl. Acad. Sci. USA 82 (1985), 488-492 [PMID: 3881765] |
| Related reference: | Duncan and Weiss, J. Bacteriol. 151 (1982), 750-755 [PMID: 7047496]<br>Warner et al., J. Bacteriol. 145 (1981), 687-695 [PMID: 6109711] |
| Genotype: | *λ⁻ ung-1 relA1 dut-1 spoT1 thiE1* (Source: CGSC 6796) |
| Phenotype: | / |
| Properties: | Use of this strain is required for the preparation of single-stranded phage M13 or phasmid DNA to be used in the site-directed mutagenesis method of Kunkel (Kunkel, 1985). |
| Restricted use: | BCCM MTA |

## Culture recovery and preservation instructions

The enclosed culture has been grown overnight to saturation, confirming its viability. BCCM/GeneCorner advises to recover it immediately on receipt before use or storage.

Recovery: subculturing into liquid or solid medium according to the cultivation conditions above

Long-term preservation: lyophilisation
cryopreservation (at least at -80ºC)