

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

<u>Species:</u>	<i>Escherichia coli</i>
<u>Group:</u>	K12xB
<u>Strain designation:</u>	DB3.1
<u>Accession number:</u>	LMBP 4098
<u>Deposit date:</u>	18/08/2015
<u>Depositor:</u>	Life Technologies Corporation ¹ ¹ Waltham, Massachusetts, USA
<u>Other culture collection numbers:</u>	/
<u>Containment level:</u>	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).
<u>Medium:</u>	LB-Lennox
<u>Selection marker:</u>	streptomycin (25 µg/ml)
<u>Cultivation temperature:</u>	37°C
<u>Original reference:</u>	/
<u>Related reference:</u>	Bernard et al., J. Mol. Biol. 226 (1992), 735-745 [PMID: 1324324]
<u>Genotype:</u>	<i>gyrA462 endA1 Δ(sr1-recA) mcrB mrr hsdS20 glnV44 (=supE44) ara14 galK2 lacY1 proA2 rpsL20 xyl5 leuB6 mtl1</i>
<u>Phenotype:</u>	Str ^R r _B ⁻ m _B ⁻
<u>Properties:</u>	DB3.1 is a HB101 derivative containing the <i>gyrA462</i> allele which renders the strain resistant to the toxic effects of the <i>ccdB</i> gene.
<u>Comments:</u>	Original Invitrogen catalogue number: 11782-018. However, this strain is no longer available at Invitrogen. Alternative: <i>ccdB</i> -resistant One Shot® <i>ccdB</i> Survival™ 2 T1R Competent Cells, of which the <i>ccdB</i> -resistance mechanism is not known; it is based on empirical results and the success or failure of the transformation of the cells is plasmid-dependent (personal communication Invitrogen).
<u>Restricted use:</u>	BCCM MTA adapted by Life Technologies Corporation

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 -80°C)