LMBP BACTERIAL HOST STRAIN DB3.1

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

Species:	*Escherichia coli*
Group:	K12 x B
Accession number:	**LMBP 4098**
Deposit date:	18/08/2015
Depositor:	Life Technologies Corporation
Other culture collection numbers:	/
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:	streptomycin (25 μg/ml)
Cultivation temperature:	37°C
Original reference:	/
Related reference:	Bernard et al., J. Mol. Biol. 226 (1992), 735-745 [PMID: 1324324]
Genotype:	*gyrA*462 end*A*1 Δ*(sr*1-*recA) mcrB mrr hsdS*20 *glnV44 (=supE*44) *ara*14 *galK*2 lacY1 *proA*2 *rpsL*20 *xyl5 leuB6 mtl*1
Phenotype:	Sm^R r^-_B m^-_B
Properties:	DB3.1 is a HB101 derivative containing the *gyrA*462 allele which renders the strain resistant to the toxic effects of the ccdB gene.
Comments:	Original Invitrogen catalogue number: 11782-018. However, this strain is no longer available at Invitrogen. Alternative: ccdB-resistant One Shot® ccdB Survival™ 2 T1R Competent Cells, of which the ccdB-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).
Restricted use:	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/LMBP advises to recover it immediately on receipt before use or storage.

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

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