LMBP BACTERIAL HOST STRAIN

Species: Escherichia coli

Group: K12

Accession number: LMBP 4978

Deposit date: 06/12/2004

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Other culture collection numbers: CGSC 2598

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


Remaut et al., J. Mol. Biol. 71 (1972), 243-261 [PMID: 4564480]

Genotype*: Hfr garB10 fhuA22 phoA4(Am) ompF627(T2R) serU132(AS) fadL701(T2R) relA1 pitA10 spoT1 rnmB-2 mcrB1 creC510

Phenotype: phosphatase positive

Properties: This strain carries the S26 amber mutation (TAG) in the phosphatase gene. This strain carries the supD suppressor (serU132(AS): inserts serine at the amber position) and is therefore capable of suppressing the S26 phosphatase nonsense mutation, as well as amber mutations in other genes. However, the efficiency of suppression may vary considerably depending on the sequence context of the amber codon.

Restricted use: BCCM MTA

* Source: description CGSC 2598

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)