

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>	K12
<u>Strain designation:</u>	M5219
<u>Accession number:</u>	LMBP 130
<u>Deposit date:</u>	01/01/1998
<u>Depositor:</u>	Prof. E. Remaut ^{1 2} ¹ Department for Molecular Biomedical Research, VIB, Ghent, Belgium ² Department of Biomedical Molecular Biology, Ghent University, Ghent, Belgium
<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>	/
<u>Cultivation temperature:</u>	28°C
<u>Original reference:</u>	Remaut et al., Gene 15 (1981), 81-93 [PMID: 6271633]
<u>Related reference:</u>	/
<u>Genotype:</u>	<i>lacZam trpAam rpsL λ(bio252 cI857 ΔH1)</i>
<u>Phenotype:</u>	Str ^R
<u>Properties:</u>	Expression host for plasmids containing phage λ's PL or PR promoter. Induction is obtained by shifting the culture from 28°C to 42°C. The resident λ is a defective lysogen. ΔH1 removes part of <i>cro</i> and all genes to the right of it. <i>bio252</i> removes all genes to the left of <i>cIII</i> . <i>cI857</i> is ind ^r . At 42°C, <i>N</i> is expressed from the lysogen. As a consequence, transcription termination signals that might be present downstream from the PL promoter and the <i>nutL</i> site, as present on the pPL-series of plasmids, can be overridden. Useful for the expression of cloned genes carrying transcription terminators between the start of the gene and the insertion point.
<u>Restricted use:</u>	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 -80°C)