

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>	B
<u>Strain designation:</u>	BL21[pT7POL26]
<u>Accession number:</u>	<b>LMBP 9558</b>
<u>Deposit date:</u>	28/02/2020
<u>Depositor:</u>	Dr L. Meuris <sup>1,2</sup> and Prof. Dr N. Callewaert <sup>1,2</sup> <sup>1</sup> Center for Medical Biotechnology, VIB, Ghent, Belgium <sup>2</sup> Department of Biochemistry and Microbiology, 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 <a href="#">Belgian risk group classification</a> ).
<u>Medium:</u>	LB-Lennox
<u>Selection marker:</u>	kanamycin (50 µg/ml)
<u>Cultivation temperature:</u>	28°C
<u>Original reference:</u>	/
<u>Related reference:</u>	Mertens et al., <i>Biotechnology</i> 13 (1995), 175-179 [ <a href="#">PMID: 9634760</a> ] Bujard et al., <i>Methods Enzymol.</i> 155 (1987), 416-433 [ <a href="#">PMID: 2828874</a> ] Jeong et al., <i>J. Mol. Biol.</i> 394 (2009), 644-652 [ <a href="#">PMID: 19786035</a> ]
<u>Genotype:</u>	<i>F<sup>-</sup> ompT gal dcm lon hsdS<sub>B</sub>(r<sub>B</sub><sup>-</sup> m<sub>B</sub><sup>-</sup>) [malB<sup>+</sup>]<sub>K-12</sub>(λ<sup>S</sup>)</i> (Source: OpenWetWare E. coli genotypes)
<u>Phenotype:</u>	Kan <sup>R</sup>
<u>Helper plasmid:</u>	pT7POL26
<u>Properties:</u>	This strain contains the low-copy auxiliary pT7POL26 vector for T7 promoter-driven protein expression, which is repressed until IPTG induction of T7 RNA polymerase expression occurs. The strain does not contain the lon protease and is also deficient in the outer membrane protease OmpT. The lack of two key proteases reduces the degradation of heterologous proteins expressed in the strain.
<u>Additional information</u>	The full genome sequence of the BL21(DE3) strain is available at the ENA/GenBank nucleotide sequence databases under accession number <a href="#">CP001509.3</a> .
<u>Restricted use:</u>	<a href="#">BCCM MTA</a>

### **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)