LMBP BACTERIAL HOST STRAIN MG1655 seqA-PAmCherry

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

Species:	*Escherichia coli*
Group:	K12
Accession number:	**LMBP 9778**
Deposit date:	11/01/2016
Depositor:	Prof. Dr J. Michiels[1] (constructed by T. Swings[1]) [1] Centre of Microbial and Plant Genetics, Department of Microbial and Molecular Systems, KU Leuven, Leuven, Belgium
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-Miller
Selection marker:	Kanamycin (50 µg/ml)
Cultivation temperature:	37°C
Original reference:	Mika et al., Faraday Discuss. 184 (2015), 425-450 [PMID: 26449690]
Related reference:	/
Genotype*:	*F⁻ λ⁻ ilvG⁻ rfb-50 rph-1 seqA-PAmCherry:km^R*
Phenotype:	Km^R
Properties:	The native seqA gene was fused at its 3' end to the fluorescent protein gene PAmCherry, separated with a linker (ASPPPGRSR) and followed by a kanamycin resistance marker. The entire cassette was integrated in the chromosome. PAmCherry is a photoactivatable variant of the red fluorescent protein mCherry. PAmCherry is not fluorescent until it is exposed to 350-400 nm light. This strain can be used to study the subcellular localization of the *E. coli* DNA binding protein SeqA.
Restricted use:	BCCM MTA - The depositor will be informed of the customer's identity upon release of a sample outside the depositor's department or outside the departments in which BCCM/LMBP is embedded, namely UGent-DBMB and VIB-IRC.

* Source: http://openwetware.org/wiki/E._coli_genotypes#MG1655 + Mika et al. (2015) [PMID: 26449690])

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)