

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>	WK6mutS( $\lambda$ )
<u>Accession number:</u>	<b>LMBP 1466</b>
<u>Deposit date:</u>	01/01/1998
<u>Depositor:</u>	Prof. Dr E. Remaut <sup>1 2</sup> <sup>1</sup> Department for Molecular Biomedical Research, VIB, Ghent, Belgium <sup>2</sup> 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 <a href="#">Belgian risk group classification</a> ).
<u>Medium:</u>	LB-Lennox
<u>Selection marker:</u>	/
<u>Cultivation temperature:</u>	28°C (Note: 37°C is also possible but phage $\lambda$ remains more stably integrated when grown at 28°C)
<u>Original reference:</u>	Zell et al., EMBO J. 6 (1987), 1809-1815 [ <a href="#">PMID: 3038536</a> ]
<u>Related reference:</u>	Stanssens et al., Nucleic Acids Res. 17 (1989), 4441-4454 [ <a href="#">PMID: 2501754</a> ]
<u>Genotype:</u>	F' <i>lacI<sup>f</sup> Δ(lacZ)M15 proA<sup>+</sup>B<sup>+</sup> traD36/ Δ(lac-proB) galE rpsL mutS::Tn10 λ<sup>+</sup></i>
<u>Phenotype:</u>	Str <sup>R</sup> Tet <sup>R</sup>
<u>Properties:</u>	Useful strain for site-directed mutagenesis; disabled mismatch repair due to knocked-out <i>mutS</i> . The Tn10 insertion renders the strain tet <sup>R</sup> . Not to be used as permanent storage host for plasmids because of the danger of accumulating spontaneous mutations.
<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)