**Bacterial host strain**

**Escherichia coli K12 WK6mutS(λ)**

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

**Species:** *Escherichia coli*

**Group:** K12

**Strain designation:** WK6mutS(λ)

**Accession number:** LMBP 1466

**Deposit date:** 01/01/1998

**Depositor:** Prof. Dr E. Remaut\(^1\)\(^2\)

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**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-Lennox

**Selection marker:** /

**Cultivation temperature:** 28°C (Note: 37°C is also possible but phage λ remains more stably integrated when grown at 28°C)

**Original reference:** Zell et al., EMBO J. 6 (1987), 1809-1815 [PMID: 3038536]

**Related reference:** Stanssens et al., Nucleic Acids Res. 17 (1989), 4441-4454 [PMID: 2501754]

**Genotype:** F' lacI\(^q\) Δ(lacZ)M15 proA\(^B\) traD36/ Δ(lac-proB) galE rpsL mutS::Tn10 λ\(^+\)

**Phenotype:** Str\(^R\) Tet\(^R\)

**Properties:** Useful strain for site-directed mutagenesis; disabled mismatch repair due to knocked-out mutS.

The Tn10 insertion renders the strain tet\(^R\).

Not to be used as permanent storage host for plasmids because of the danger of accumulating spontaneous mutations.

**Restricted use:** 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)