
LMBP BACTERIAL HOST STRAIN

SM10(λ pir)

<u>Species:</u>	<i>Escherichia coli</i>
<u>Group:</u>	K12
<u>Accession number:</u>	LMBP 3889
<u>Deposit date:</u>	19/11/1998
<u>Depositor:</u>	Dr J. J. Mekalanos ¹ ¹ Dept Microbiology and Molecular Genetics, Harvard Medical School, Boston, USA
<u>Medium:</u>	LB
<u>Selection marker:</u>	kanamycin (50 μ g/ml)
<u>Cultivation temperature:</u>	37°C
<u>Original reference:</u>	/
<u>Related reference:</u>	Simon et al., Bio/Technology 1 (1983), 784-791 (relating to SM10)
<u>Genotype:</u>	<i>thi thr leu tonA lacY supE recA::RP4-2-Tc::Mu Km λpir</i>
<u>Phenotype:</u>	/
<u>Properties:</u>	Donor strain (mobilizing strain) carrying the transfer genes of the broad host range IncP type plasmid RP4 integrated in its chromosome. Useful for mobilizing mobRP4 plasmids. The presence of λ pir allows the replication of a defective R6K suicide plasmid and derivatives thereof.
<u>Restricted use:</u>	BCCM MTA

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 °C at the least)