

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>	DH5 $\alpha$ F( $\lambda$ )
<u>Accession number:</u>	<b>LMBP 2846</b>
<u>Deposit date:</u>	01/12/2008
<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>	/
<u>Related reference:</u>	Woodcock et al., Nucl. Acids Res. 17 (1989), 3469-3478 [ <a href="#">PMID: 2657660</a> ] Grant et al., Proc. Natl. Acad. Sci. USA 87 (1990), 4645-4649 [ <a href="#">PMID: 2162051</a> ] Hanahan, J. Mol. Biol. 166 (1983), 557-580 [ <a href="#">PMID: 6345791</a> ]
<u>Genotype:</u>	<i>F</i> <sup>+</sup> $\Delta$ ( <i>argF-lac</i> )169 $\phi$ 80 <i>dlacZ58(M15)</i> $\Delta$ <i>phoA8</i> <i>glnX44(AS)</i> $\lambda$ <sup>+</sup> <i>deoR481 rfbC1 gyrA96 recA1 endA1 thiE1 hsdR17</i>
<u>Phenotype:</u>	NaI <sup>R</sup> r <sub>K</sub> <sup>-</sup> m <sub>K</sub> <sup>+</sup>
<u>Properties:</u>	This is a useful strain for Lac $\alpha$ complementation. This strain does not contain the <i>lacIq</i> gene and therefore repression on the <i>lac</i> promoter, present on high-copy plasmids, is incomplete. This strain contains the F factor of NK3 and therefore can be used for infection with M13 or fd phages and derivatives. In addition the strain is lysogenic for wild-type phage $\lambda$ .
<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)