Species: Escherichia coli  
Group: K12  
Accession number: LMBP 9583  
Deposit date: 19/05/2015  
Depositor: Dr I. Monk¹ ¹ Department of Microbiology and Immunology, Doherty Institute, University of Melbourne, Melbourne, Australia

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: 37°C  
Related reference: /  
Genotype: mcrA Δ(mrr-hsdRMS-mcrBC) φ80lacZΔM15 ΔlacX74 recA1 araD139 Δ(ara-leu)7697 galU galK rpsL endA1 nupG Δdcm ΔPhelp-hsdMS (CC30-2) ΔPN25-hsdS (CC30-1)  
Phenotype: Str(R)  
Properties: This bacterial host strain was derived from E. coli K12 DH10B by deleting the dcm gene encoding cytosine methylation. Additionally, the hsdMS genes encoding methylase and specificity genes (from Staphylococcus aureus clonal complex 30 - MRSA252) were introduced onto the chromosome at neutral locations via recombineering.

The strain can be transformed efficiently with large plasmids due to deoR (nupG) mutation. Plasmids isolated from this strain transform S. aureus clonal complex 30 - MRSA252 at high efficiency.  
Restricted use: 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)