**Species:** *Escherichia coli*

**Group:** K12

**Accession number:** LMBP 130

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

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

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**Medium:** LB

**Selection marker:** /

**Cultivation temperature:** 28°C

**Original reference:** Remaut et al., Gene 15 (1981), 81-93 [PMID: 6271633]

**Related reference:** /

**Genotype:** lacZ\(^+\) am\(^+\) trpA am\(^+\) rpsL\(^+\) \(\lambda\)\(\text{bio252 cl857 ΔH1}\)

**Phenotype:** Sm\(^R\)

**Properties:** Expression host for plasmids containing phage \(\lambda\)'s PL or PR promoter. Induction is obtained by shifting the culture from 28°C to 42°C. The resident \(\lambda\) is a defective lysogen. ΔH1 removes part of cro and all genes to the right of it. bio252 removes all genes to the left of *cll*. cl857 is ind\(^-\). At 42°C, *N* is expressed from the lysogen. As a consequence, transcription termination signals that might be present downstream from the PL promoter and the nutL site, as present on the pPL-series of plasmids, can be overridden. Useful for the expression of cloned genes carrying transcription terminators between the start of the gene and the insertion point.

**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)