
LMBP BACTERIAL HOST STRAIN

H12R8a

Species: *Escherichia coli*

Group: K12

Accession number: **LMBP 4980**

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Medium: LB

Selection marker: /

Cultivation temperature: 37°C

Original reference: Garen et al., J. Mol. Biol. 14 (1965), 167-178 [PMID: [5327650](#)]

Related reference: Remaut et al., J. Mol. Biol. 71 (1972), 243-261 [PMID: [4564480](#)]
Weigert et al., J. Mol. Biol. 14 (1965), 522-527 [PMID: [4286570](#)]

Genotype: *supF*

Phenotype: phosphatase positive

Properties: This strain carries the H12 amber mutation (TAG) in the phosphatase gene.
This strain carries the *supF* suppressor (inserts tyrosine at the amber position) and is therefore capable of suppressing the H12 phosphatase nonsense mutation, as well as amber mutations in other genes. However, the efficiency of suppression may vary considerably depending on the sequence context of the amber codon.

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)