

***E. coli* K12**

ER2508



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E4127S 004160221021

E4127S

Lot: 0041602 Exp: 2/21

Store at -20°C

Description: A suspension of *E. coli* strain ER2508 which has been grown in LB medium and brought to 50% glycerol.

Genotype: F- *ara-14 leuB6 fhuA2 Δ(argF-lac) U169 lacY1 lon::miniTn10(Tet^R) glnV44 galK2 rpsL20(Str^R) xyl-5 mtl-5 Δ(malB) zjc::Tn5(Kan^R) Δ(mcrC-mrr)_{HB101}*

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This strain is a derivative of RR1 that has been made *lon*⁻. The *lon* mutation knocks out the major ATP-dependent protease in the *E. coli* cytoplasm, thus improving the stability of many foreign proteins when expressed in *E. coli*. The *malE* gene, which encodes Maltose-Binding Protein, is deleted as part of the *malB* deletion.

Notes: Storage at -70°C is recommended for periods longer than 30 days. Avoid repeated freeze/thaw cycles.

This strain replaces PR745. It is *fhuA2*.

References:

1. Kowit and Goldberg (1977) *J. Biol. Chem.* 252, 8350–8357.
2. Grossman et al. (1983) *Cell* 32, 151–159.



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CERTIFICATE OF ANALYSIS

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