

***E. coli* K12**

**ER2508**



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E4127S 004151020101

**E4127S**

Lot: 0041510 Exp: 10/20

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<sup>R</sup>) glnV44 galK2 rpsL20(Str<sup>R</sup>) xyl-5 mtl-5* Δ(*malB*) *zjc::Tn5(Kan<sup>R</sup>)* Δ(*mcrC-mrr*)<sub>HB101</sub>

This strain is a derivative of RR1 that has been made *lon*<sup>-</sup>. 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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