

E. coli K12 UT5600



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E4129S

Lot: 0051112 Exp: 12/16
Store at -20°C

Description: A suspension of *E. coli* K12 UT5600 which has been grown in LB medium and brought to 50% glycerol. Grow by streaking out on an LB plate and incubating at 37°C. This strain is deficient in the OmpT protease, a periplasmic protease. This protease can degrade cytoplasmically expressed proteins when the cells are lysed to make a crude extract, and it may degrade proteins expressed in the periplasm as well. UT5600 is *EcoK* r⁺ m⁺, so plasmids have to be modified (i.e., come from an m⁺ strain

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such as TB1, JM83, JM107, etc.) in order to get transformants.

Genotype: F⁻ *ara-14 leuB6 secA6 lacY1 proC14 tsx-67 Δ(ompT-fepC)266 entA403 trpE38 rfbD1 rpsL109(Str^R) xyl-5 mtl-1 thi-1*

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

References:

1. Elish, M. E., Pierce, J. R. and Earhart, C. F. (1988) *J. Gen. Microbiol.* 134, 1355–1364.
2. Grodberg, J. and Dunn, J. (1988) *J. Bacteriol.* 170, 1245–1253.
3. Sugimura, K. and Higashi, N. (1988) *J. Bacteriol.* 170, 3650–3654.



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CERTIFICATE OF ANALYSIS

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