

*E. coli* K12  
JM109



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E4107S 006140717071

**E4107S**

Lot: 0061407

Store at  $-20^{\circ}\text{C}$

**Description:** A suspension of *E. coli* K12 JM109 which has been grown in minimal media and brought to 50% glycerol.

**Genotype:** *F' traD36 proA<sup>+</sup>B<sup>+</sup> lacI<sup>q</sup> Δ(lacZ)M15/ Δ(lac-proAB) glnV44 e14<sup>-</sup> gyrA96 recA1 relA1 endA1 thi hsdR17*

**Notes:** Storage at  $-70^{\circ}\text{C}$  is recommended for periods longer than 30 days. Avoid repeated freeze/thaw cycles.

**Reference:**

1. Yanish-Perron, C., Vieira, J., Messing, J. (1985) *Gene* 33, 103–119.

CERTIFICATE OF ANALYSIS

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