

# *E. coli* REG-1 Strain

(Cat. No. BS-3262)

For research use only.

## 1. About BIOMEDAL *E. coli* REG-1 Strain.

*E. coli* REG-1 strain contains the regulatory element *nahR*/Psal::xy/S2 integrated into the chromosome.

## 2. Genotype.

Mini-Tn5 (*kan*<sup>R</sup> *nahR*/Psal::xy/S2) *mcrA*  $\Delta$ (*mrr-hsdRMS-mcrBC*)  $\Phi$ 80*lacZ* $\Delta$ M15  $\Delta$ *lacX74* *recA1* *araD139* (*ara-leu*)7697 *galU* *galK* *rpsL* *endA1* *nupG*.

## 3. Storage Conditions.

The *E. coli* REG-1 strain is supplied as a stab culture shipped at room temperature, and can be stored at 4°C for up to 15 days.

## 4. Processing and storage of the strains.

We recommend immediate revival of strain upon arrival. To this end, insert a sterile loop or toothpick into the stab agar, smear a small amount of the culture onto the surface of an LB plate, and streak for single colonies. Incubate overnight at 37°C. Strain resistance to kanamycin (20 mg/l) should be checked by verifying growth of isolated colonies in LB supplemented with this antibiotic.

For long term storage of REG-1, inoculate 5 ml of liquid LB medium with a single colony and incubate overnight at 37°C with shaking to obtain a saturated culture. Mix this culture with an equal volume of a sterile 30% glycerol solution, aliquot into cold-resistant plastic vials and store at -70°C. Strain revival from frozen glycerol stocks can be done by scraping off splinters of solid ice with a sterile toothpick or pipet and streaking these splinters onto an LB plate. Do not allow the contents of the vial to thaw.

For more information,  
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