

***E. coli* K12
POP2136/pFOS1**



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E4153S 002140517051

E4153S

Lot: 0021405 Store at -20°C

Description: A suspension of *E. coli* strain POP2136 containing the plasmid pFOS1 which has been grown in rich medium and brought to 50% glycerol. POP2136 background: EcoK r⁻ m⁺ McrBC⁺ Dam⁺ Dcm⁺.

Genotype: F⁻ *glnV44 hsdR17 endA1 thi-1 aroB mal⁻ cl857 lambdaPR tet^R*

Note: Grow cells at 30°C. The plasmid is unstable at 37°C.

Antibiotic Resistance: The plasmid pFOS1 carries a gene encoding resistance to ampicillin (amp) and a gene encoding resistance to chloramphenicol (cam). To maintain the plasmid, cells should be grown with 100 µg/ml amp and 15–20 µg/ml cam.

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

References:

1. Shizuya, H. et. al. (1992) *Proc. Nat. Acad. Sci. USA* 89, 8794–8797.
2. Mori, H. et. al. (1986) *J. Mol. Biol.* 192 1–15.
3. Imber, R., Low, R. L. and Ray, D. S. (1983) *Proc. Nat. Acad. Sci. USA* 80, 7132–7136.
4. Disque-Kochem, C. et. al. (1986) *Mol. Gen. Genet.* 202, 132–135.
5. Komori, H. et. al. (1999) *EMBO J.* 18, 4597–4607.
6. Lane, D. et. al. (1986) *Nucleic Acids Res.* 14, 9713–9728.

CERTIFICATE OF ANALYSIS

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