

***E. coli* K12  
ER2420/pBeloBAC11**



1-800-632-7799  
info@neb.com  
www.neb.com



E4154S 002150420041

**E4154S**

**Lot: 0021504 Store at -20°C (see note)**

**Description:** A suspension of *E. coli* strain ER2420 containing the plasmid pBeloBAC11 which has been grown in rich medium and brought to 50% glycerol. ER2420 background: EcoK r<sup>-</sup> m<sup>-</sup> McrBC<sup>-</sup> Dam<sup>+</sup> Dcm<sup>+</sup>.

**Genotype:** F<sup>-</sup> *ara-14 leu fhuA2 Δ(gpt-proA)62 lacY1 glnV44 galK2 rpsL20(Str<sup>R</sup>) xyl-5 mtl-1 Δ(mcrC-mrr)*<sub>HB101</sub>

**See Blue/White Screening Note**

**Antibiotic Resistance:** The strain pBeloBAC11 carries a gene encoding resistance to chloramphenicol (cam). To maintain the plasmid, cells should be grown with 15–20 µg/ml cam.

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

The blue color of non-recombinant pBeloBac11 clones on indicator plates is not as intense as that obtained with multicopy vectors that also use α-complementation of β-galactosidase. We recommend incubation for 20–24 hours at 37°C to achieve the full color development necessary to evaluate transformation efficiency and guide selection of white colonies. Color development will intensify further if the plates are subsequently stored at 4°C.

**References:**

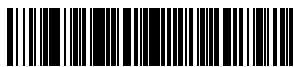
1. Shizuya, H. et. al. (1992) *Proc. Nat. Acad. Sci. USA* 89, 8794–8797.
2. Mori, H. et. al. (1986) *J. Mol. Biol.* 192, 1–15.
3. Imber, R., Low, R. L. and Ray, D. S. (1983) *Proc. Nat. Acad. Sci. USA* 80, 7132–7136.
4. Disque-Kochem, C. et. al. (1986) *Mol. Gen. Genet.* 202, 132–135.
5. Komori, H. et.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