pMo130, Suicide Plasmid for Allelic Exchange in *Burkholderia* spp.

Catalog No. NR-12213

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
NR-12213 is a mobilizable suicide plasmid, pMo130, for allelic exchange in *Burkholderia* species (GenBank: EU862243).[1] Plasmid pMo130 was deposited cloned into host *Escherichia coli* (*E. coli*) JM109 cells with no insert. After transformation into a commercially available chemically competent strain of *E. coli*, pMo130 was extracted using a QIAGEN® Plasmid Mega Kit.

Note: Sequencing results revealed that all significant elements of the vector described in the literature[1] are present in NR-12213. The resulting size of the plasmid is 6.123 kilobases. The plasmid map and the complete plasmid sequence are provided on the Certificate of Analysis for NR-12213.

Material Provided:
Each vial of NR-12213 contains approximately 1 µg of plasmid DNA in TE buffer. The concentration is shown on the Certificate of Analysis.

Packaging/Storage:
NR-12213 was packaged aseptically in plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Post-Transformation Growth Conditions:
Media:
NR-12213 contains the gene required for kanamycin (Kan) resistance. The recommended concentration of Kan in culture is 50 µg/mL.
Luria Bertani (LB) broth or equivalent
LB agar or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Aerobic
Propagation:
Incubate the tube, slant and/or plate at 37°C for 24 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: pMo130, Suicide Plasmid for Allelic Exchange in *Burkholderia* spp., NR-12213."

Biosafety Level: 1
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:
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References:
1. Hamad, M. A., et al. "An Allelic Exchange System for Compliant Genetic Manipulation of the Select Agents *Burkholderia pseudomallei* and *Burkholderia mallei*." Gene 430(2009): 123-131. PubMed: 19010402.

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