

**PRODUCT INFORMATION**

**Entranceposon (Tet<sup>R</sup>)**

#F-764            500 ng

Lot: \_            Expiry Date: \_

Concentration: 25 ng/μl

Store at -20°C



[www.thermoscientific.com/pcr](http://www.thermoscientific.com/pcr)

**Unit definition**

1.0 A<sub>260</sub> unit dsDNA = 50 μg/ml.

**MuA Transposition Reaction/Transformation Assay**

Transposition reactions (20 μl) were performed using 25 ng of the Entranceposon (Tet<sup>R</sup>) (artificial Mu transposon), 370 ng of the Control Target DNA (9243 bp) and 0.22 μg of the MuA Transposase in 1X Reaction buffer (25 mM Tris-HCl pH 8.0 at 20°C; 10 mM MgCl<sub>2</sub>; 110 mM NaCl; 0.05 % Triton X-100; 10 % glycerol). The reaction mixtures were incubated for 1 h at 30°C followed by heat-inactivation of the MuA Transposase for 10 min at 75°C. 10 μl of transposition reactions were transformed into chemically competent *E.coli* cells using standard protocol (transformation efficiency <10<sup>7</sup> cfu/μg pUC19). Dilutions of the transformation mixture were plated on LB plates supplemented with 100 μg/ml ampicillin and 10 μg/ml tetracycline. As a result more than thousand tetracycline resistant colonies were recovered per single transposition reaction.

**Technical support**

US: [techservice.genomics@thermofisher.com](mailto:techservice.genomics@thermofisher.com)

Europe, Asia, Rest of World:

[techservice.emea.genomics@thermofisher.com](mailto:techservice.emea.genomics@thermofisher.com)

Web: [www.thermoscientific.com/pcr](http://www.thermoscientific.com/pcr)

**PRODUCT USE LIMITATION**

This product has been developed and is sold exclusively for research purposes and in vitro use only. This product has not been tested for use in diagnostics or drug development, nor are they suitable for administration to humans or animals.

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