Thermo SCIENTIFIC

PRODUCT INFORMATION

Entranceposon (M1-Kan^R)

#F-762 1 µg

Lot: _ Expiry Date: _

Concentration: 100 ng/µl

Store at -20°C

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Unit definition

1.0 A_{260} unit dsDNA = 50 µg/ml.

MuA Transposition Reaction/ Transformation Assay

Transposition reactions (20 µl) were performed using 100 ng of the Entranceposon (M1-Kan^R) (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 25°C; 10 mM $MgCl_2$; 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 <10^7 cfu/µg pUC19). Dilutions of the transformation mixture were plated on LB plates supplemented with 100 µg/ml ampicillin and 10 µg/ml kanamycin. As a result more than thousand kanamycin resistant colonies were recovered per single transposition reaction.

Technical support
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Rev.2.

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