

## CERTIFICATE OF ANALYSIS

### PRODUCT IDENTIFICATION

<b>Product Name</b>	Template Preparation Magnetic Beads v3 (Silica-Hydroxyl)
<b>Catalog Number</b>	EV-SGR-009
<b>Category</b>	Sanger Template Prep
<b>Lot Number</b>	LOT-PENDING — Enter lot number on release
<b>Manufacturing Date</b>	See product label
<b>Expiry Date</b>	See product label
<b>Storage Conditions</b>	-20°C, protect from light
<b>Appearance</b>	Brown magnetic bead suspension
<b>Grade</b>	Research Grade
<b>Regulatory Status</b>	For Research Use Only (RUO)

### SPECIFICATIONS AND TEST RESULTS

Parameter	Specification	Test Method	Result	Pass/Fail
DNA Binding Capacity	≥5 µg plasmid DNA per 20 µL bead slurry	Fluorometric quantification of bound pUC19 plasmid (3 kb) after binding in chaotropic buffer	5.8 µg/20 µL	PASS
DNA Recovery Efficiency	≥85% recovery of input DNA (100 ng - 5 µg range)	PicoGreen quantification of eluted DNA vs. input control; tested with 500 ng pUC19	89.2%	PASS
Sanger Sequencing Performance	≥750 bp QV20 read length from bead-purified PCR product	BigDye v3.1 cycle sequencing of bead-purified 1 kb PCR amplicon; analysis on ABI 3730xl	812 bp QV20	PASS
Carryover Contaminants	A260/A280 ≥1.80; no cycle sequencing inhibition	NanoDrop spectrophotometry; visual inspection of electropherogram for dye blob artifacts	A260/A280 = 1.88; no inhibition observed	PASS
Bead Uniformity and Dispersion	Homogeneous suspension after 10 seconds vortex mixing; no aggregates >100 µm	Visual inspection and light microscopy of resuspended bead slurry	Uniform dispersion; no visible aggregates	PASS
Functional Capacity per Tube	≥10,000 reactions (20 µL bead slurry per reaction)	Volumetric measurement and gravimetric verification of bead concentration	10,400 reactions	PASS
Sterility and	No microbial	USP <71> sterility	No growth	PASS

Endotoxin	growth; endotoxin <0.1 EU/mL	test (14-day incubation); LAL chromogenic endotoxin assay	observed; <0.05 EU/mL	
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**RELEASE AUTHORISATION**

<b>QC Status</b>	RELEASED — Meets Enzoverta Life Sciences specifications
<b>Authorised By</b>	Enzoverta Quality Control Department
<b>Issue Date</b>	2026-05-07
<b>Document Number</b>	CoA-EV-SGR-009-LOT-PENDING

This Certificate of Analysis confirms that the above product lot meets Enzoverta Life Sciences quality specifications at the time of manufacture. For technical assistance, contact [techsupport@enzoverta.com](mailto:techsupport@enzoverta.com). For Research Use Only. Not for use in diagnostic procedures.