

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

Product Name	Sequencing Product Purification Magnetic Beads
Catalog Number	EV-SGR-007
Category	Sanger Cleanup Reagent
Lot Number	LOT-PENDING — Enter lot number on release
Manufacturing Date	See product label
Expiry Date	See product label
Storage Conditions	-20°C, protect from light
Appearance	Brown magnetic bead suspension
Grade	Research Grade
Regulatory Status	For Research Use Only (RUO)

SPECIFICATIONS AND TEST RESULTS

Parameter	Specification	Test Method	Result	Pass/Fail
Dye Removal Efficiency	≥95% removal of unincorporated dye terminators (BigDye v3.1)	Fluorescence spectrophotometry (A550nm) before/after cleanup of standard Sanger extension products	97.2% ± 1.1% (n=3)	PASS
DNA Recovery	≥85% recovery of 400-800 bp extension products	qPCR quantification of 600 bp PCR product before/after magnetic bead purification	89.4% ± 2.3% (n=3)	PASS
Salt Removal	≥98% removal of salts and buffer components	Conductivity measurement of eluate vs. pre-cleanup sample	99.1% reduction in conductivity	PASS
Sequencing Read Length	≥750 bp with Phred20 quality using pGEM-3Zf(+) control template	ABI 3730xl capillary electrophoresis analysis post-cleanup	812 bp average read length (Phred20)	PASS
Magnetic Response Time	Complete bead separation within 3 minutes using standard magnetic rack	Visual inspection with 96-well magnetic separation device	Complete separation in 2.5 minutes	PASS
Bead Concentration	18-22 mg/mL silica-coated magnetic beads	Gravimetric analysis after lyophilization of known volume	20.3 mg/mL	PASS
Functional Capacity	10,000 reactions per tube (50 µL bead suspension per reaction)	Volumetric verification and performance testing across 100	500 mL total volume; consistent performance	PASS

		sequential cleanups	through reaction 100	
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RELEASE AUTHORISATION

QC Status	RELEASED — Meets Enzoverta Life Sciences specifications
Authorised By	Enzoverta Quality Control Department
Issue Date	2026-05-07
Document Number	CoA-EV-SGR-007-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. For Research Use Only. Not for use in diagnostic procedures.