

## CERTIFICATE OF ANALYSIS

### PRODUCT IDENTIFICATION

<b>Product Name</b>	5× Sequencing Buffer
<b>Catalog Number</b>	EV-SGR-003
<b>Category</b>	Sanger Sequencing Reagent
<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>	Clear colorless solution
<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
Appearance	Clear, colorless to slightly yellow solution, free of particulates	Visual inspection	Conforms	PASS
pH (1× dilution at 25°C)	9.0 ± 0.2	pH meter measurement	9.1	PASS
Functional Performance (Sequencing Quality)	≥ 800 bp read length at QV20; signal-to-noise ratio ≥ 30:1	Capillary electrophoresis on ABI 3730xl with M13mp18 template	842 bp at QV20; S/N = 34:1	PASS
Peak Height Uniformity	Coefficient of variation ≤ 15% across all four bases	Analysis of fluorescent signal intensity (bases 100-600)	CV = 12.3%	PASS
Dye Blob Formation	No interfering dye blob artifacts in analysis window (0-50 bases)	Electropherogram inspection, standard BigDye v3.1 protocol	No dye blobs detected	PASS
Sterility	No microbial growth detected	USP <71> Sterility Test (14-day incubation)	No growth observed	PASS
Endotoxin Level	≤ 0.1 EU/mL	LAL chromogenic assay	< 0.05 EU/mL	PASS

### 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-003-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@enzovera.com](mailto:techsupport@enzovera.com).  
For Research Use Only. Not for use in diagnostic procedures.