

Aldevron 184000C - Certificate of Analysis Lot 184000C

Classification: Custom Research Grade mRNA
Construct

04/09/2025
Date of Manufacture

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Fargo, ND 58103, USA

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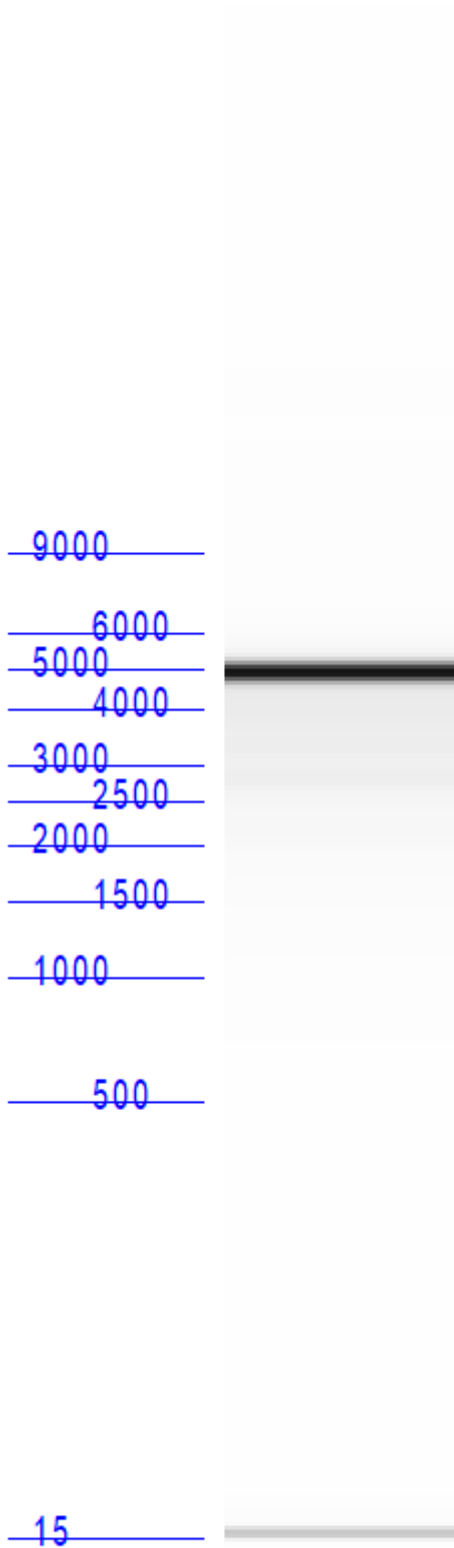
NOT FOR USE IN HUMANS

Client:	Construct Name:	Lot Number:
Demeetra AgBio	rDMT5-011 dNLS, mRNA	184000C

Final Buffer:
Water

	Method	Specifications	Results	Tested By	Date
Appearance	Visual Inspection	Clear and colorless	Pass	SR	04/09/2025
Bioburden	Plate final product on media containing no antibiotics	No growth in 48 hours at 37 +/- 2 C	Pass	MiPr	04/11/2025
Concentration, RNA	SoloVPE Slope Spectroscopy	0.90 - 1.10mg/mL Quant	Pass 0.99 mg/mL	SR	04/08/2025
Endotoxin	Kinetic Chromogenic LAL	<=100.00 EU/mg Quant	Pass < 2.00 EU/mg. Below Quantitation Level	RoAr	04/09/2025
Identity, mRNA	Capillary Gel Electrophoresis	Size confirmed against an RNA ladder	Pass	SR	04/09/2025
Mycoplasma Contamination	Quantitative PCR	Negative for the presence of Mycoplasma	Pass	MiPr	04/09/2025
pH Analysis	Potentiometry via pH Meter	Report result Quant Quant	Pass 6.58	RoAr	04/09/2025
Purity, mRNA	Capillary Gel Electrophoresis	Report Only Advanced	Pass 56.00 %	SR	04/09/2025
Residual Host Protein	NanoOrange	<=2.00 % Quant	Pass < 0.51 %. Below Quantitation Level	SR	04/09/2025
Residual Plasmid DNA (mRNA)	Quantitative PCR	Report Results Quant Quant	Pass 1187.44 Copies/uL	SR	04/09/2025

Comments:



Quantity of material loaded was 100 ng unless otherwise specified.

Left To Right: Frag A Extended mRNA Ladder, Lot 18400C Frag A

Frag A