

Report of Analysis

Report Number	RA23H002	Report Date	2023.08.04
Sample Name	EGFP mRNA-LNP	Lot Number	D23G025
Package Size	0.5 mL/tube	Manufacturing Date	2023.07.28
Sample Source	CATUG	Receiving Date	2023.07.28

Test	Method	Result
Appearance	Visual	Off-white suspension
pH	USP <791>	7.46
Osmolality	USP <785>	384 mOsmol/kg
mRNA content	HPLC	0.24 mg/mL
mRNA purity	CE	91.8 %
Lipid content	HPLC	DMG-PEG2k: 0.30 mg/mL Chol: 1.23 mg/mL SM-102: 3.06 mg/mL DSPC: 0.67 mg/mL
Lipid purity	HPLC	98.1 %
Encapsulation efficiency	Fluorescence	94.2 %
Size	DLS	64.8 nm
Polydispersity index	DLS	0.07
Endotoxin	USP <85>	14.1 EU/mL
Zeta potential	Zetasizer	-5.3 mV

Reported By/Date: Jinyao chen August 04, 2023

Reviewed By/Date: Tengjun Huang August 04, 2023

Approved By/Date: Michael Zhang Aug. 04, 2023.



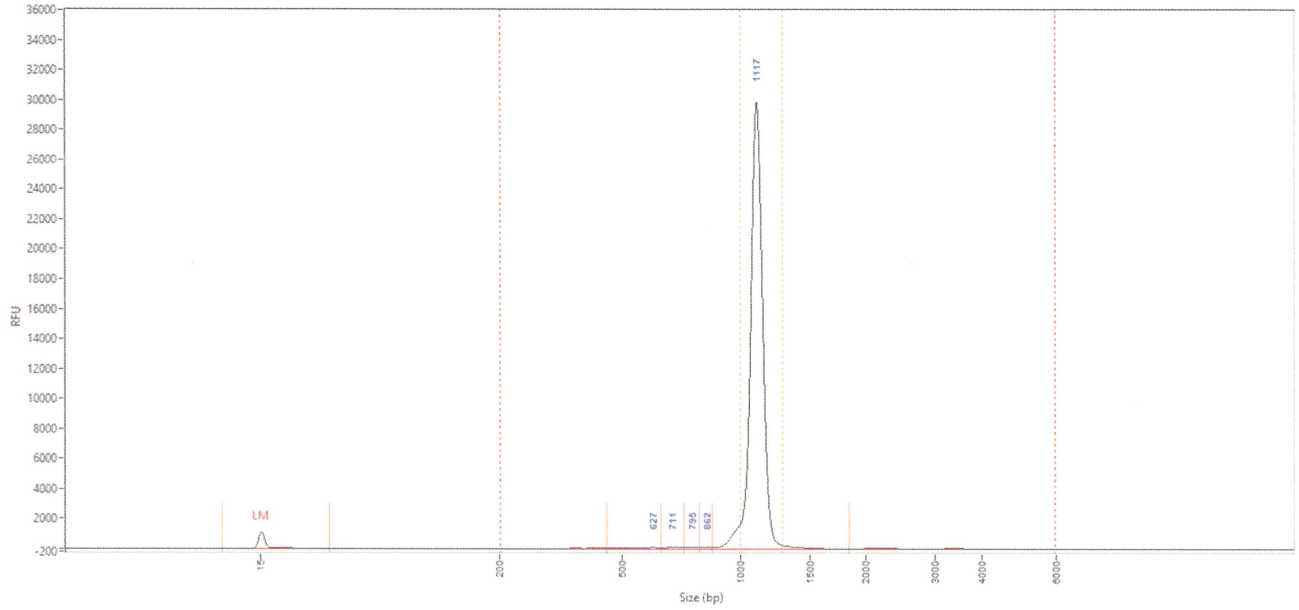
CATUG Biotechnology (Suzhou) Co., Ltd.

Website: catug.bio

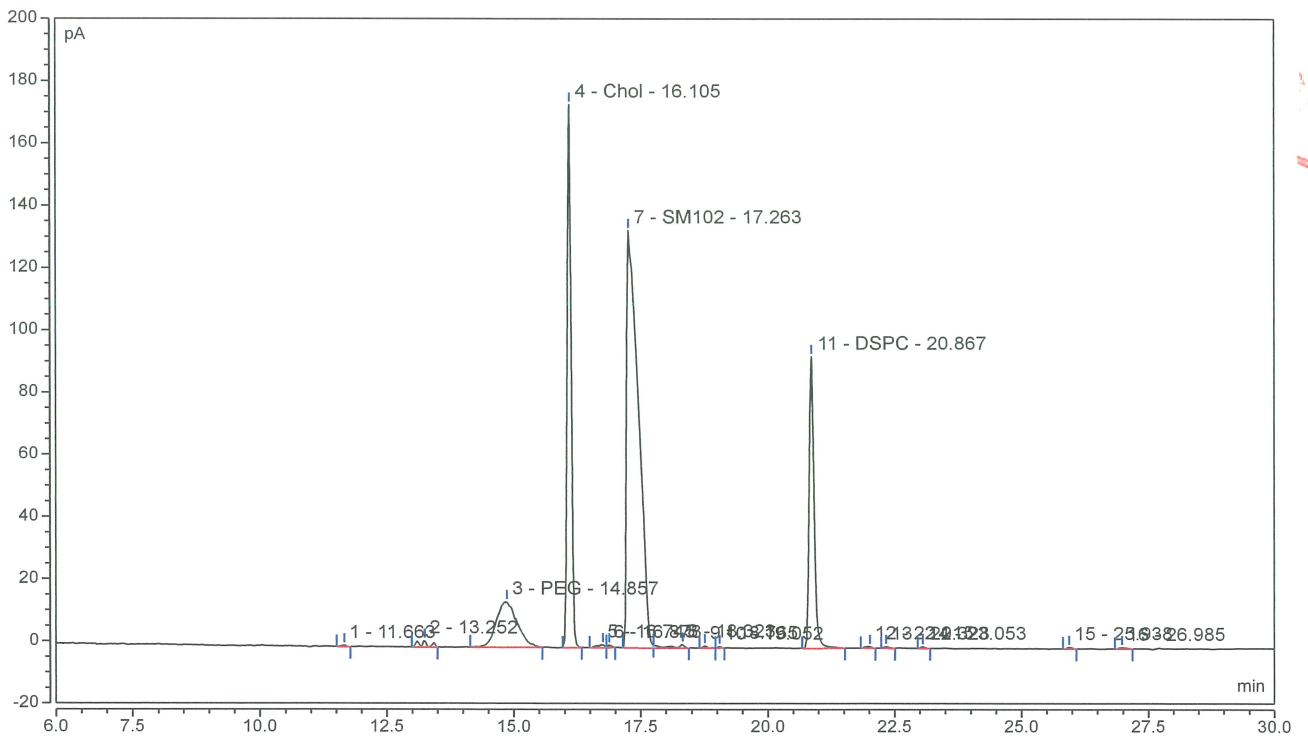
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mRNA purity-CE



Lipid purity-HPLC



Size-DLS

