

Report of Analysis

Report Number	RA22L005	Report Date	2022.12.15
Sample Name	EPO mRNA	Lot Number	P22K027
Package Size	0.1, 0.5, 1.0 mg/tube	Manufacturing Date	2022.11.30
Sample Source	CATUG	Receiving Date	2022.11.30

Test	Method	Result
Appearance	Visual	Colorless solution
Content	UV	2.2 mg/mL
A260/280	UV	1.93
Identity	Sanger sequencing	ORF sequence 100% matches
pH	USP <791>	7.03
Purity	CE	87.6%
Purity	HPLC	87.2%
Capping efficiency	LC-MS	99.0%
Residual protein	Fluorescence	< 0.27 µg/mg
Residual DNA template	qPCR	0.002 ng/mg
dsRNA	ELISA	168 ng/mg
Endotoxin	USP <85>	< 5 EU/mL
In vitro expression	SDS-page	Expressed protein size matches expectation

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2022.12.15

 Reviewed By/Date: *Tengjun.Huang*
2022.12.15

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2022.12.15

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