

Certificate of Analysis

Product Name:

GenElute™ HP Endotoxin-Free Plasmid Maxiprep Kit – sufficient for 25 preparations

Product Number: NA0410
Batch Number: SLCD9959
Brand: SIGMA
Quality Release Date: 25 NOV 2019

Test	Specification	Result
<u>KIT COMPONENT(S)</u>		
W0263-375ML-KC	SLCB0442	
Suitability	Suitable	Suitable
The average yield must be at least 70% of the average yield of the prequalified control solution. Level of degradation seen pBR322 DNA isolated with test solution and digested with HindIII should be comparable to the control when examined by agarose gel electrophoresis.		
R6148-2.5ML-KC	SLCC5113	
Suitability	Suitable	Suitable
Suitable for the removal of RNA from a crude pBR322 plasmid prep.		
R1149-375ML-KC	SLBX4228	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	White to Off White	White
Appearance (Form)	Crystalline Powder	Crystalline Powder
pH	7.7 - 8.3	8.0
Neat, at room temperature		
Conductivity	4.2 - 5.5 mS/cm	4.9 mS/cm
Neat		
N7411-375ML-KC	SLBZ4586	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	Colorless	Colorless

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Test	Specification	Result
Appearance (Form)	Liquid	Liquid
pH	5.3 - 5.5	5.3
Conductivity	28 - 36 mS/cm	30 mS/cm
L1912-375ML-KC	SLCB3265	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
pH	≥ 12.6	13.0
H3538-25EA-KC	SLCC4361	
Composition	Conforms	Conforms
Conforms to all specifications.		
G4917-25EA-KC	SLBZ6048	
Composition	Conforms	Conforms
Conforms to specifications		
Appearance	Conforms	Conforms
Conforms to specifications		
Visual Inspection	Pass	Pass
C4353-25EA-KC	SLCB1868	
Visual Inspection:	Conforms	Conforms
G4917 must be able to fit in C4353 and the cap must fit securely with the column in the tube.		
Endotoxin Level:	≤ 2.0 EU/ml	< 0.0 EU/ml
C2112-225ML-KC	SLBW9033	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity Titration by HCl	0.46 - 0.50 M	0.48 M

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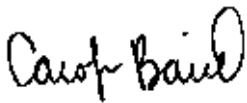
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Test	Specification	Result
B9560-280ML-KC	SLCD4841	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
pH	4.5 - 6.5	5.2
Conductivity	60 - 68 mS/cm	64 mS/cm
10-fold dilution in water at 25° C		
Concentration	4.5 - 5.5 %	4.9 %
2107-100ML-KC	RNBG7926	
Appearance (Turbidity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
DNAse, Exonuclease Detection:	None Detected	None Detected
NICKase, Endonuclease Detection	None Detected	None Detected
Endotoxin Level	Less than 0.1 EU per mL	< 0.01 EU/mL
R4778-5EA-KC	SLCD2147	
W4639-75ML-KC	SLCB5752	
R6148-2.5ML-KC	SLCC5113	



Carolyn Baird, Supervisor
Quality Assurance
St. Louis, Missouri US

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