

Plasmid Residual DNA Detection Kit (qPCR)

Overview

Cat.No. HG-ZL001

This kit is designed for the quantitative detection of residual plasmid DNA in intermediates, semi-finished products and finished products of various biological products. Plasmid DNA content in samples (e.g., lentivirus, adenovirus) is detected by analyzing the consensus sequence. This kit uses TaqMan fluorescence probe principle, with strong specificity, high sensitivity and reliable performance.

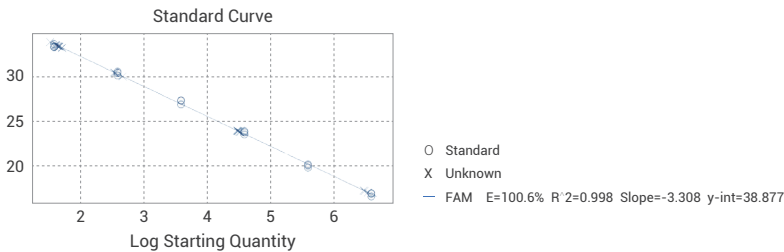
Specification

Assay range: $4 \times 10^1 \sim 4 \times 10^6$ copies/ μ l

Limit of quantitation: 4×10^1 copies/ μ l

Precision: CV% $\leq 15\%$

Standard curve



Datasheet

Concentration (copies/ μ l)	Log10 Concentration	Ct Value(1)	Ct Value(2)	Ct Value(3)	Ct Mean Value	CV
4.00E+06	6.60	16.76	17.14	17.07	16.99	1.18%
4.00E+05	5.60	19.93	20.32	20.20	20.15	1.01%
4.00E+04	4.60	23.59	23.99	23.85	23.81	0.85%
4.00E+03	3.60	26.90	27.34	27.37	27.20	0.97%
4.00E+02	2.60	30.09	30.54	30.41	30.35	0.76%
4.00E+01	1.60	33.27	33.20	33.57	33.35	0.60%
Amplification efficiency						100.6%