

The Qualitative Detection of Endotoxin

Sample Name :TR60

Sample ID :
Date Processed(MM/DD/YYYY) :05/15/2026
(Sample ID final concentration 1 mg/ml)

LAL sensitivity: 0.5 EU/ml
Sample Endotoxin level:

1. The endotoxin level in sample was detected using Horseshoe Crab Reagent, the phenomenon is listed as followed:

Table 1:

Inspection tube	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Detection solution	Parallel	
		1	2
Sample	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml Sample solution	-	-
Sample positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml 2 λSample positive solution	+	+
Positive control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml positive solution	+	+
Negative control	0.1ml LAL+0.1ml LAL Reagent Water+0.1ml LAL Reagent Water	-	-

Note: The test result is positive which expressed by "+", and negative is expressed by "-".

2. Result:

The endotoxin level in sample is: <0.5EU/mg

Peptide Content Report

Sample Name:TR60

Sample ID:

Date Processed(MM/DD/YYYY):05/15/2026

Instrument: Thermo Fisher Flash Smart Elemental Analyzer

Result of detecting

Times	N/%
Avg.	5.72

Calculation Method:

The net peptide content/%= $N/\% \times MW(\text{peptide}) / (n \times MW(\text{nitrogen}))$

N/%:Nitrogen content determined by elemental analysis;

MW(peptide): Theoretical Molecular Weight;

n: The number of nitrogen element;

MW (nitrogen): atomic weight(nitrogen);

Result of analyzing

Times	N/%	The net peptide content/ %
Avg.	5.72	$(5.72 \times 4813.45) / (48 \times 14) = 40.97$
Avg.	The net peptide content/ %=40.97	

Gross Weight:146.7mg

Net Weight: $79 \times 24.02 = 60.1\text{mg}$