

Certificate of Analysis



MS2 Phage

Product Number: 6000
Lot Number: 201218PB
Assay Date: 2/24
Expiration Date: 2/26
Storage Temperature: 4 °C
Storage Buffer: 10 mM Tris-HCl, 0.1 mM EDTA, pH 7.5 @ 25°C
Specification Version: DM-MS2v2.0

Warning: This product is distributed for laboratory research use only. Caution: Not for diagnostic use. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

Description: This product consists of purified MS2 phage particles. RNA can be extracted from this phage using traditional extraction methods or heat lysis.

Concentration: After purification, the concentration of a dilution of MS2 particles is assessed in triplicate by dPCR which yields an absolute quantification with 95% confidence intervals that deviate less than 10% from the reported value. Based on this measurement, the samples are diluted to their final concentrations.

DNase contamination: A fluorescent probe-based detection kit is used to test for DNase contamination.
Specification: Below the lower limit of detection (1×10^{-4} U DNase I activity) in 1×10^7 copies in 25 minutes at 37 °C.

RNase contamination: A fluorescent probe-based detection kit is used to test for RNase contamination.
Specification: Below the lower limit of detection (2 pg RNase A activity) in 1×10^7 copies in 25 minutes at 37 °C.

Product meets all specifications.

SIGNATURE:

A handwritten signature in black ink, appearing to read 'D. Mead', is written over the signature line.

Date: Mar 19, 2024