

Certificate of Analysis

Name: Adenovirus Type 5 Particles, Wild-type, Control grade

Product Code: NAT41667 Gold standard batch

Batch #: 23033014

Date of Manufacture: 04-APR-2023

Product Description: Concentrated and purified wild type Adenovirus type 5 particles.

Host Cells: 293AD cells

Strain/Isolate: Wild type Adenovirus type 5

Purification: Double CsCl gradient purification with DNase treatment and dialysis

Health and Safety: ACDP classification: Category 2. Handle material as a category 2 pathogen using BSL2 facilities and procedures.

Amount: 0.05 ml

Purity: Purified virus

Buffer: 20mM Tris, 25mM NaCl, 2.5% Glycerol pH8.0

Concentration: 1.7×10^{12} ptc/ml (BCA assay) (Specification: $>5 \times 10^{11}$ ptc/ml)

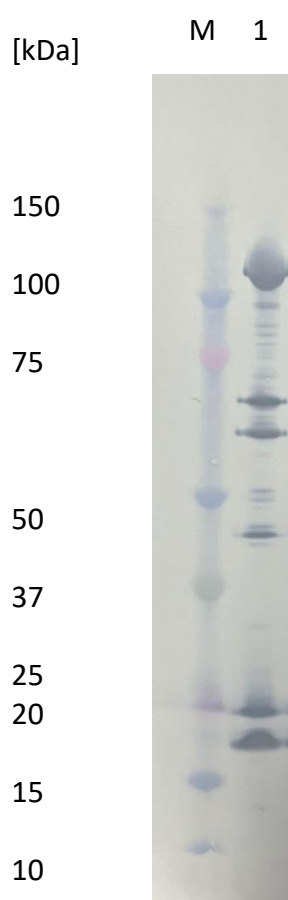
3.2×10^{12} ptc/ml (UV spectrometry) (Specification: $2 \times 10^{12} - 4 \times 10^{12}$ ptc/ml)

A₂₆₀/A₂₈₀ Ratio: 1.3 (Specification: Between 1.2-1.4)

Western Blot:

0.22µg antigen

Primary Ab: Anti-Adenovirus Type 5 antibody (ab6982) @ 1 mg/ml 1:1000.



Mycoplasma PCR Testing: Negative (Specification: Negative, no bands present on agarose after PCR)

Bioburden: 0 CFU/ml on TSA and SDA plates incubated for 8 days (Specification: 0 CFU/ml on TSA and SDA plates incubated for 5-9 days)

Infectious Titer using cell assay: 6.25×10^6 TCID₅₀ units/ml (Specification: $>6 \times 10^6$ TCID₅₀ units/ml)

Usage Guidelines

Short Term Storage: -80°C

Long Term Storage: -80°C

Stability: Not determined

Freezing: Can be frozen, but avoid multiple freeze-thaw cycles.

X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.