

URAT

BioNest, suit#19, University of hyderabad
Video Operator: Admin

Operator (Report): Admin | Phone: 7801092351 | eMail: adminoffice@uratpx.com

Sample Parameters

Sample Name: HEK_100kDa_Final_500
Sample Info 1:
Sample Info 2:
Sample Info 3:
Electrolyte: WATER
Temperature: 25.63 °C sensed
pH 7.0 entered
Conductivity: 49.00 µS/cm sensed

Instrument Parameters

Laser Wavelength: 488 nm
Filter Wavelength: 500 nm
Sensitivity: 95.0; Shutter: 100
Frame Rate: 30 fps; Video Resolution: low

SOP: EV_488_F500

Size Distribution, 3 Cycles, 11 Positions
Description: EV/ 488nm laser, fluorescence mode 500nm filter

Result (sizes in nm)

	Number	Concentration	Volume
Median (X50)	270.0	270.0	789.4
StdDev	235.4	232.7	207.1

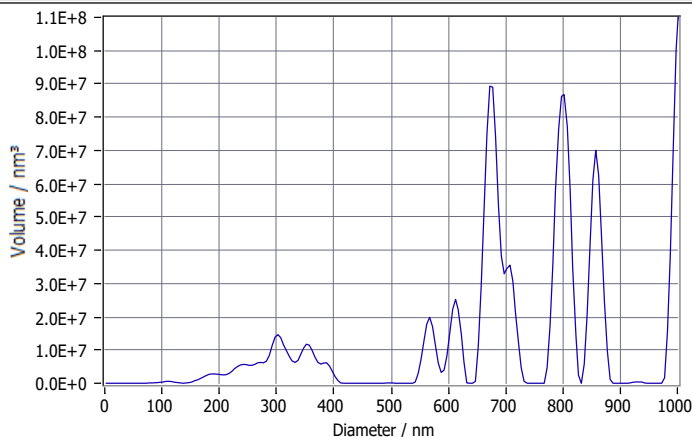
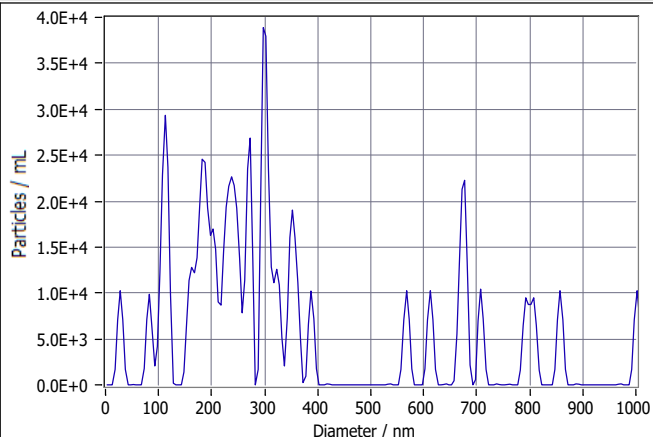
Concentration: 1.1E+6 Particles / mL
Dilution Factor: 500
Concentration Correction Factor: 1.00000
Original Concentration: 5.5E+8 Particles / mL

Quality

Average Counted Particles per Frame: 3
Number of Traced Particles: 44

Analysis Parameters

Max Area 1000, Min Area 10, Min Bright. 30, nm/Class 5, TL 7



Peak Analysis (Concentration)

Diameter / nm	Particles/mL	FWHM / nm	Percentage
186.1	2.3E+4	46.2	16.8
301.3	3.4E+4	18.6	15.1
237.0	2.3E+4	23.1	13.1
112.6	2.6E+4	19.3	11.5
353.8	1.7E+4	20.0	7.4

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	111.0	111.0	358.3
X50	270.0	270.0	789.4
X90	705.5	705.5	1000.0
Span	2.2	2.2	0.8
Mean	346.2	346.2	741.5
StdDev	235.4	232.7	207.1

Comment

(Signature)

Analyzed Video: Z:\Aadhi NTA\281125\Vesi520_HEK_TFF_100kDa\20251128_0013_HEK_100kDa_Final_500_size_488F500.avi

Experiment: 2025-11-28 12:44 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-11-28 12:46 Software ZetaView (version 8.06.01 SP1)