

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

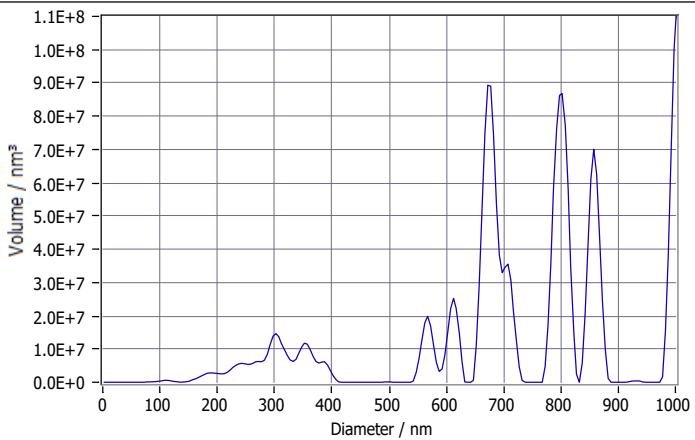
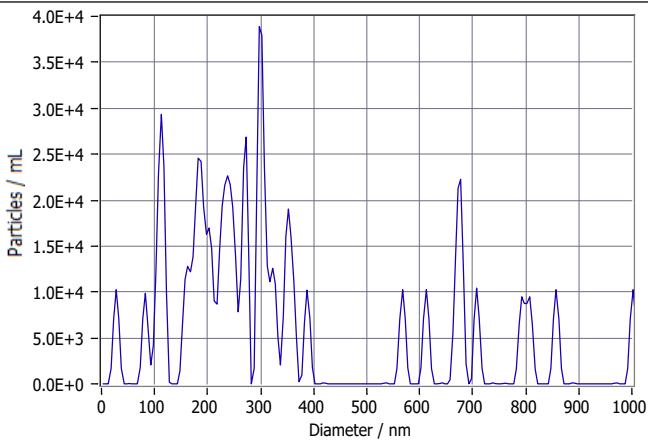
Quality

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