

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_Wash_scatter

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.28 °C sensed

pH 7.0 entered

Conductivity: 49.00 µS/cm sensed

Instrument Parameters

Laser Wavelength: 488 nm

Filter Wavelength: Scatter

Sensitivity: 80.0; Shutter: 100

Frame Rate: 30 fps; Video Resolution: medium

SOP: EV_488

Size Distribution, 3 Cycles, 11 Positions

Description: EV/ 488nm laser

Result (sizes in nm)

	Number	Concentration	Volume
Median (X50)	135.0	135.0	561.3
StdDev	131.6	131.4	254.1
Concentration:			8.8E+7 Particles / mL
Dilution Factor:			500
Concentration Correction Factor: 1.00000			
Original Concentration:			4.4E+10 Particles / mL

Quality

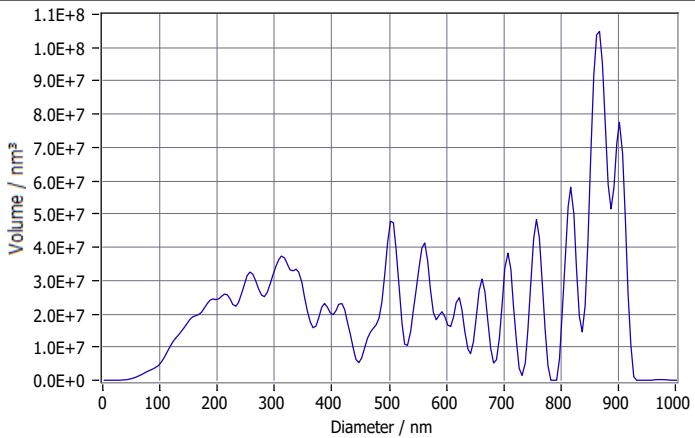
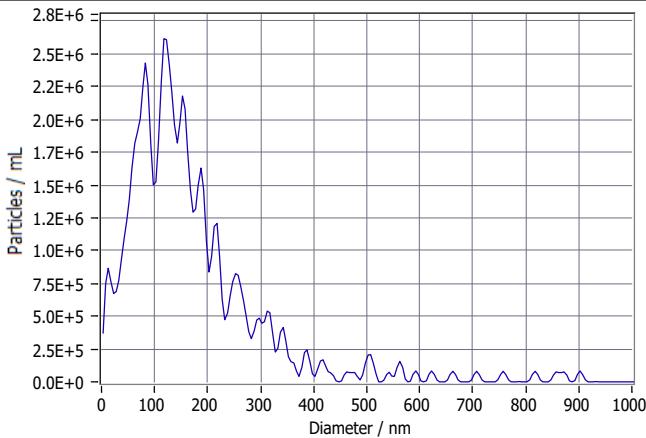
Average Counted Particles per Frame: 204

Number of Traced Particles: 443

1 Positions Removed for Analysis (0.85 automatically)

Analysis Parameters

Max Area 1000, Min Area 10, Min Bright. 30, nm/Class 5, TL 15


Peak Analysis (Concentration)

Diameter / nm	Particles/mL	FWHM / nm	Percentage
121.7	2.6E+6	29.3	36.0
80.1	2.3E+6	41.7	29.1
183.6	1.5E+6	22.5	15.1
339.3	3.5E+5	23.0	8.4
254.6	8.1E+5	28.2	7.0

X Values (all sizes are given in nm)

	Number	Concentration	Volume	Comment
X10	49.8	49.8	214.0	
X50	135.0	135.0	561.3	
X90	308.8	308.8	871.7	
Span	1.9	1.9	1.2	
Mean	168.6	168.6	568.2	
StdDev	131.6	131.4	254.1	(Signature)



Analyzed Video: Z:\Aadhi NTA\281125\Vesi520_HEK_TFF_100kDa\20251128_0010_HEK_100kDa_Wash_scatter_size_488.avi

Experiment: 2025-11-28 12:30 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-11-28 12:31 Software ZetaView (version 8.06.01 SP1)