

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_Permeate_sca

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.10 °C sensed

pH 7.0 entered

Conductivity: 38.00 µS/cm sensed

Result (sizes in nm)

Number Concentration Volume

Median (X50) 153.3 153.3 1936.6

StdDev 204.7 204.5 892.1

Concentration: 7.7E+7 Particles / mL

Dilution Factor: 500

Concentration Correction Factor: 1.00000

Original Concentration: 3.9E+10 Particles / mL

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

Quality

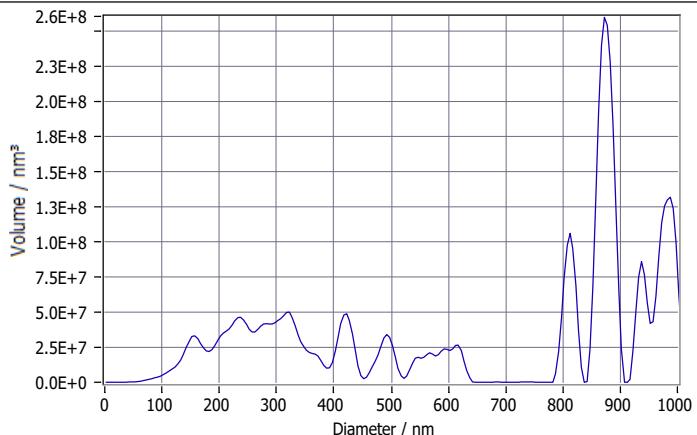
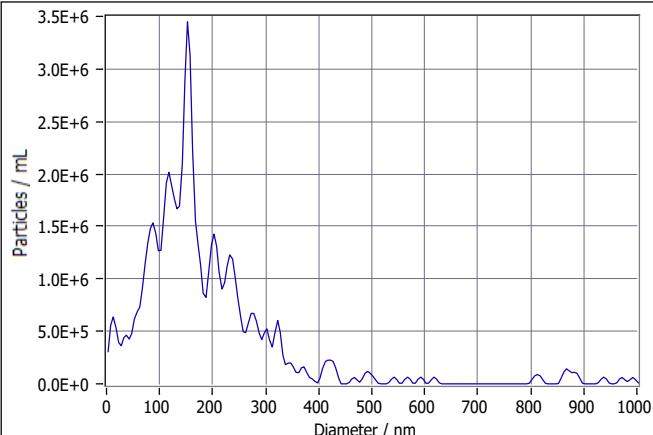
Average Counted Particles per Frame: 180

Number of Traced Particles: 491

2 Positions Removed for Analysis (0.7 / 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
153.3	3.2E+6	23.0	29.6
119.9	1.9E+6	13.9	16.6
318.6	5.0E+5	32.8	12.2
203.3	1.4E+6	17.2	11.4
86.7	1.5E+6	39.8	11.2

X Values (all sizes are given in nm)

	Number	Concentration	Volume	
X10	68.7	68.7	489.0	
X50	153.3	153.3	1936.6	
X90	317.2	317.2	2716.4	
Span	1.6	1.6	1.2	
Mean	198.4	198.4	1899.1	
StdDev	204.7	204.5	892.1	

Comment

(Signature)

Analyzed Video: Z:\Aadhi NTA\281125\Vesi520_HEK_TFF_100kDa\20251128_0014_HEK_100kDa_Permeate_scatter_size_488.avi

Experiment: 2025-11-28 12:51 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-11-28 12:53 Software ZetaView (version 8.06.01 SP1)