

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

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)

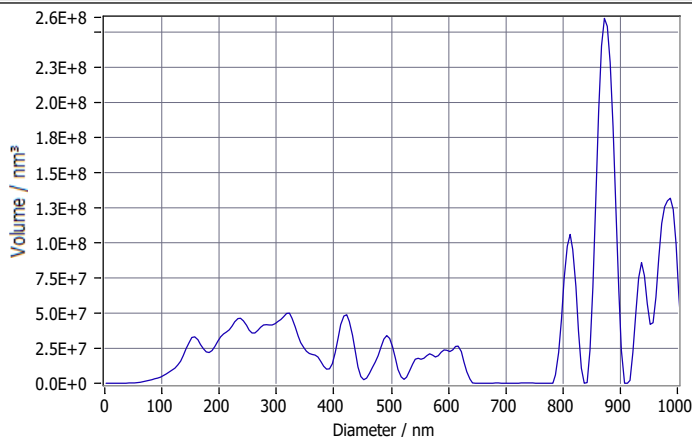
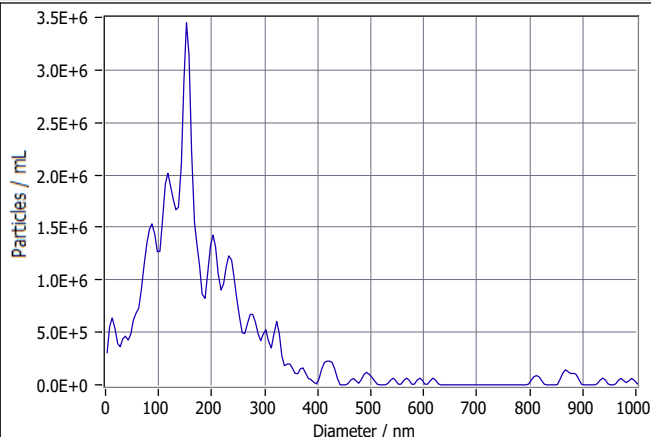
	Number	Concentration	Volume
Median (X50)	153.3	153.3	1936.6
StdDev	204.7	204.5	892.1
Concentration:	7.7E+7 Particles / mL		
Dilution Factor:	500		
Concentration Correction Factor:	1.00000		
Original Concentration:	3.9E+10 Particles / mL		

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

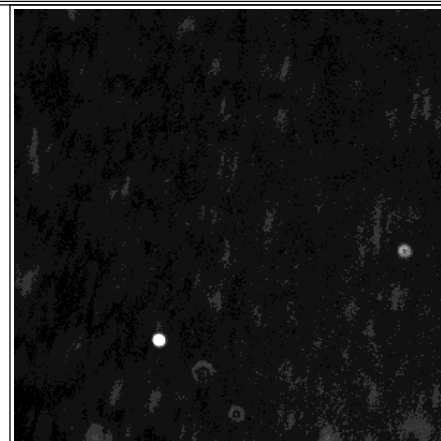


Peak Analysis (Concentration)

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)