

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_BeforeTFF_sc

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.17 °C sensed

pH 7.0 entered

Conductivity: 43.00 µS/cm sensed

Result (sizes in nm)

	Number	Concentration	Volume
Median (X50)	135.3	135.3	3331.2
StdDev	264.6	264.4	1008.0
Concentration:			8.9E+7 Particles / mL
Dilution Factor:			500
Concentration Correction Factor:			1.00000
Original Concentration:			4.4E+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

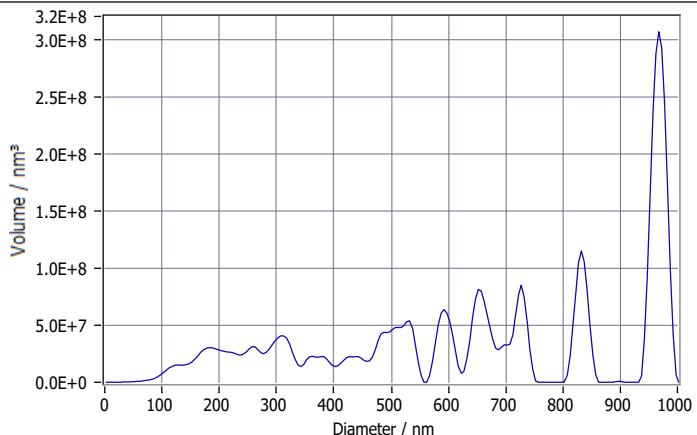
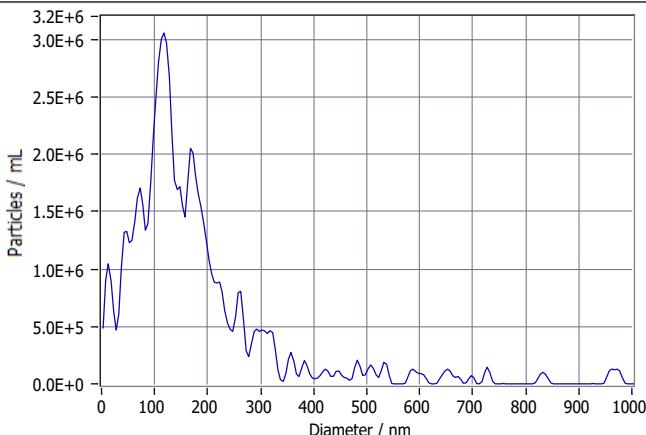
Average Counted Particles per Frame: 206

Number of Traced Particles: 504

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
116.0	3.0E+6	33.1	36.7
171.2	2.0E+6	44.4	26.1
258.6	7.4E+5	29.5	19.5
73.4	1.6E+6	123.1	17.8

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	47.8	47.8	956.5
X50	135.3	135.3	3331.2
X90	320.8	320.8	3366.2
Span	2.0	2.0	0.7
Mean	195.0	195.0	2833.0
StdDev	264.6	264.4	1008.0

Comment


Analyzed Video: Z:\Aadhi NTA\281125\Vesi520_HEK_TFF_100kDa\20251128_0008_HEK_100kDa_BeforeTFF_scatter_size_488.avi

Experiment: 2025-11-28 12:20 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-11-28 12:22 Software ZetaView (version 8.06.01 SP1)

(Signature)