

### 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

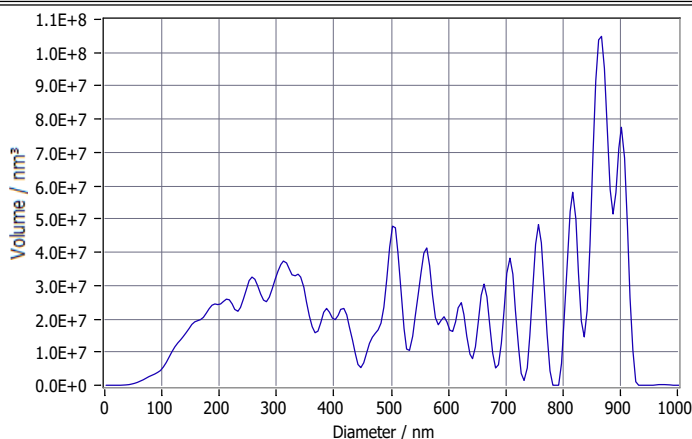
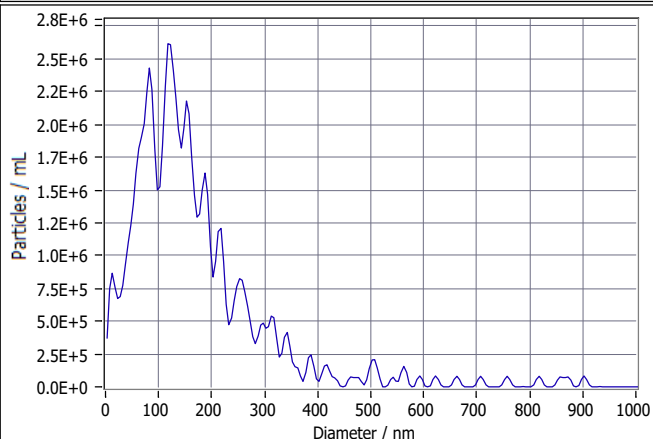
Concentration: 8.8E+7 Particles / mL  
Dilution Factor: 500  
Concentration Correction Factor: 1.00000  
Original Concentration: 4.4E+10 Particles / mL

### 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
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



### Comment

(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)