

**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\_500

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.69 °C sensed

pH 7.0 entered

Conductivity: 52.00 µS/cm sensed

**Instrument Parameters**

Laser Wavelength: 488 nm

Filter Wavelength: 500 nm

Sensitivity: 95.0; Shutter: 100

Frame Rate: 30 fps; Video Resolution: low

**SOP: EV\_488\_F500**

Size Distribution, 3 Cycles, 11 Positions

Description: EV/ 488nm laser, fluorescence mode 500nm filter

**Result (sizes in nm)**

	Number	Concentration	Volume
Median (X50)	260.6	260.6	623.7
StdDev	198.4	194.9	180.4

Concentration: 5.9E+5 Particles / mL

Dilution Factor: 500

Concentration Correction Factor: 1.00000

Original Concentration: 2.9E+8 Particles / mL

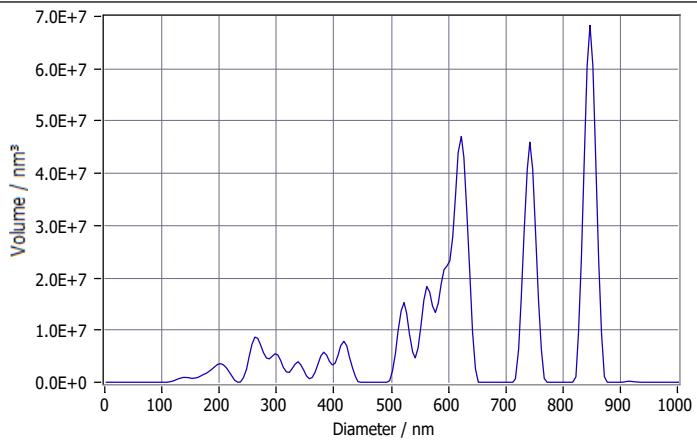
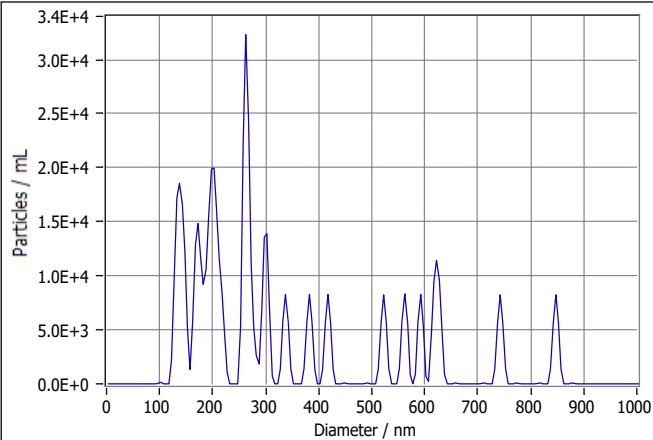
**Quality**

Average Counted Particles per Frame: 1

Number of Traced Particles: 29

**Analysis Parameters**

Max Area 1000, Min Area 10, Min Bright. 30, nm/Class 5, TL 7


**Peak Analysis (Concentration)**

Diameter / nm	Particles/mL	FWHM / nm	Percentage
200.5	1.9E+4	49.6	26.5
263.9	2.6E+4	18.6	16.9
138.2	1.8E+4	22.5	13.2
299.9	1.2E+4	18.4	7.2
623.3	1.0E+4	19.2	7.1

**X Values (all sizes are given in nm)**

	Number	Concentration	Volume	Comment
X10	142.0	142.0	335.7	
X50	260.6	260.6	623.7	
X90	623.0	623.0	845.5	
Span	1.8	1.8	0.8	
Mean	333.5	333.5	636.9	
StdDev	198.4	194.9	180.4	

(Signature)

Analyzed Video: Z:\Aadhi NTA\281125\Vesi520\_HEK\_TFF\_100kDa\20251128\_0011\_HEK\_100kDa\_Wash\_500\_size\_488F500.avi