

**URAT**

 BioNest, suit#19, University of hyderabad  
 Video Operator: Admin

Operator (Report): Admin | Phone: 7801092351 | eMail: adminoffice@uratpx.com

**Sample Parameters**

Sample Name: PC3\_100kDa\_F7\_8

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.13 °C sensed

pH 7.0 entered

Conductivity: 48.00 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)	171.5	171.5	622.8
StdDev	128.3	128.1	347.3

Concentration: 7.0E+6 Particles / mL

Dilution Factor: 500

Concentration Correction Factor: 1.00000

Original Concentration: 3.5E+9 Particles / mL

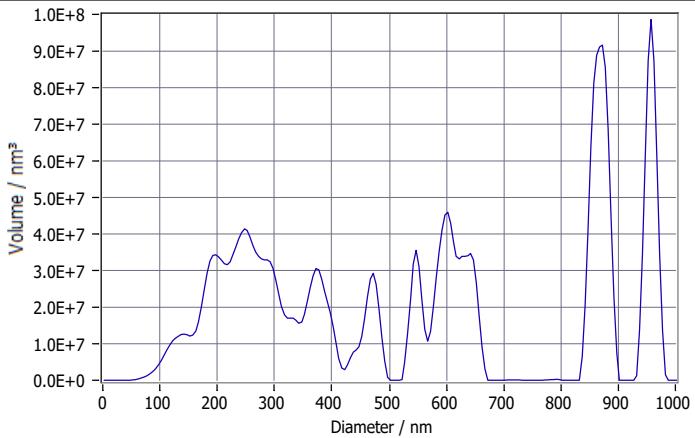
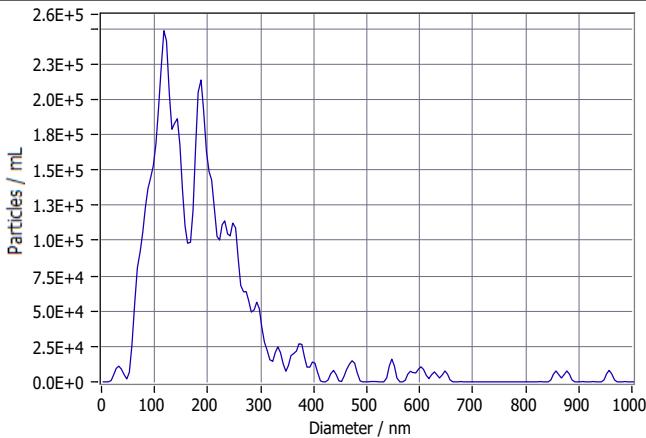
**Quality**

Average Counted Particles per Frame: 16

Number of Traced Particles: 354

**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
119.1	2.4E+5	74.1	45.8
188.2	2.1E+5	26.5	28.4
237.7	1.1E+5	71.2	17.0
371.2	2.5E+4	33.9	7.5
329.7	2.1E+4	14.6	1.3

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

	Number	Concentration	Volume	Comment
X10	88.8	88.8	212.7	
X50	171.5	171.5	622.8	
X90	296.8	296.8	1159.8	
Span	1.2	1.2	1.5	
Mean	195.6	195.6	660.8	
StdDev	128.3	128.1	347.3	(Signature)

Analyzed Video: Z:\Adhvi NTA\17122025-AKTA\20251217\_0018\_PC3\_100kDa\_F7\_8\_size\_488.avi

Experiment: 2025-12-17 14:13 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-12-17 14:15 Software ZetaView (version 8.06.01 SP1)