

**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\_F9T15

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.02 °C sensed

pH 7.0 entered

Conductivity: 72.00 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)	158.5	158.5	299.8
StdDev	83.4	83.1	137.9

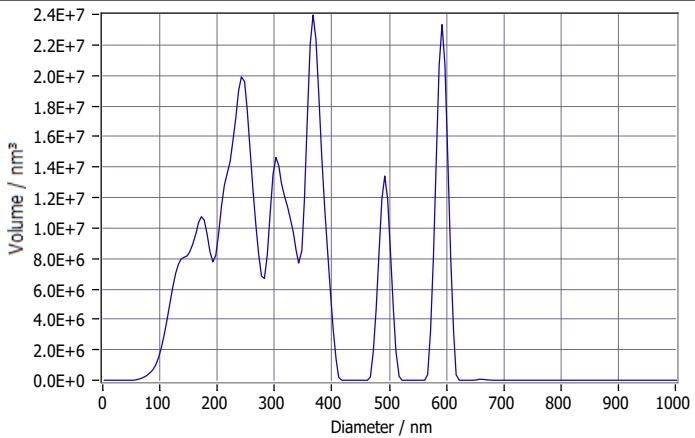
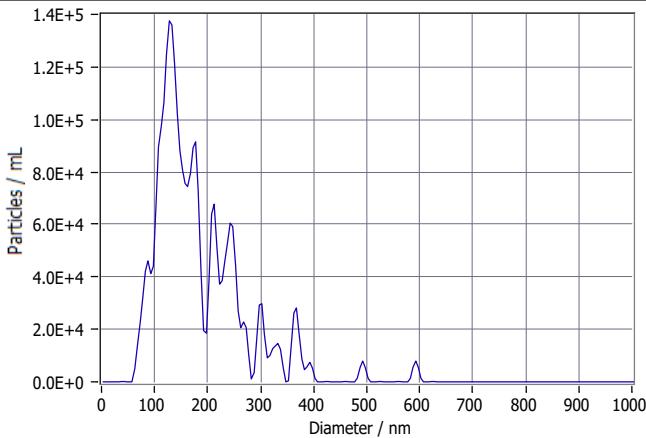
 Concentration: 3.0E+6 Particles / mL  
 Dilution Factor: 500  
 Concentration Correction Factor: 1.00000  
 Original Concentration: 1.5E+9 Particles / mL

**Quality**

 Average Counted Particles per Frame: 7  
 Number of Traced Particles: 152

**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
129.2	1.3E+5	54.5	49.7
170.3	8.6E+4	22.5	15.9
242.6	5.9E+4	28.6	13.4
213.6	6.0E+4	18.7	9.4
366.5	2.5E+4	19.3	5.6

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

	Number	Concentration	Volume
X10	102.6	102.6	161.1
X50	158.5	158.5	299.8
X90	296.5	296.5	588.5
Span	1.2	1.2	1.4
Mean	182.7	182.7	324.7
StdDev	83.4	83.1	137.9

**Comment**

(Signature)

Analyzed Video: Z:\Aadhi NTA\17122025-AKTA\20251217\_0019\_PC3\_100kDa\_F9T15\_size\_488.avi

Experiment: 2025-12-17 14:19 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-12-17 14:20 Software ZetaView (version 8.06.01 SP1)