

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_F3T6

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.01 °C sensed

pH 7.0 entered

Conductivity: 54.00 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)	155.6	155.6	415.9
StdDev	107.6	107.4	246.8

Concentration: 7.6E+6 Particles / mL

Dilution Factor: 500

Concentration Correction Factor: 1.00000

Original Concentration: 3.8E+9 Particles / mL

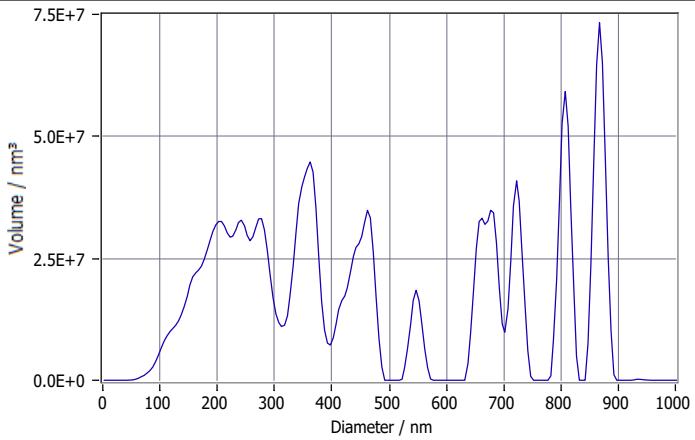
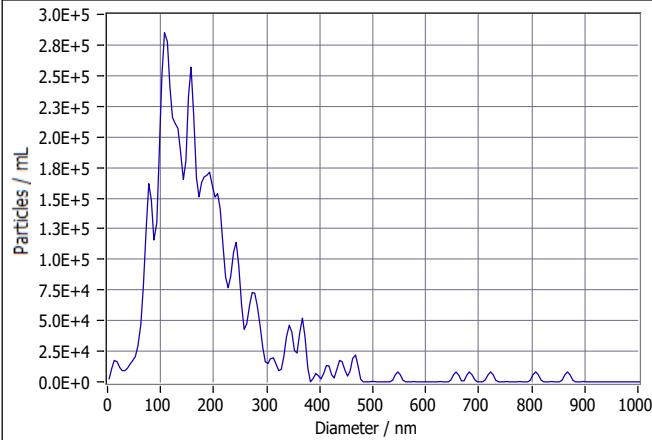
Quality

Average Counted Particles per Frame: 18

Number of Traced Particles: 376

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
111.2	2.7E+5	40.9	37.4
155.8	2.3E+5	17.1	22.7
189.5	1.7E+5	32.1	18.2
363.7	4.0E+4	44.0	9.0
239.1	1.0E+5	17.7	6.6

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	82.2	82.3	186.1
X50	155.6	155.6	415.9
X90	288.5	288.5	863.0
Span	1.3	1.3	1.6
Mean	182.0	182.0	480.6
StdDev	107.6	107.4	246.8

Comment

(Signature)

Analyzed Video: Z:\Adhvi NTA\17122025-AKTA\20251217_0017_PC3_100kDa_F3T6_size_488.avi

Experiment: 2025-12-17 14:07 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-12-17 14:08 Software ZetaView (version 8.06.01 SP1)