

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_F1_2

Sample Info 1:

Sample Info 2:

Sample Info 3:

Electrolyte: WATER

Temperature: 25.06 °C sensed

pH 7.0 entered

Conductivity: 58.00 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)	145.9	145.9	251.5
StdDev	73.1	73.0	84.7

Concentration: 1.2E+7 Particles / mL

Dilution Factor: 500

Concentration Correction Factor: 1.00000

Original Concentration: 5.8E+9 Particles / mL

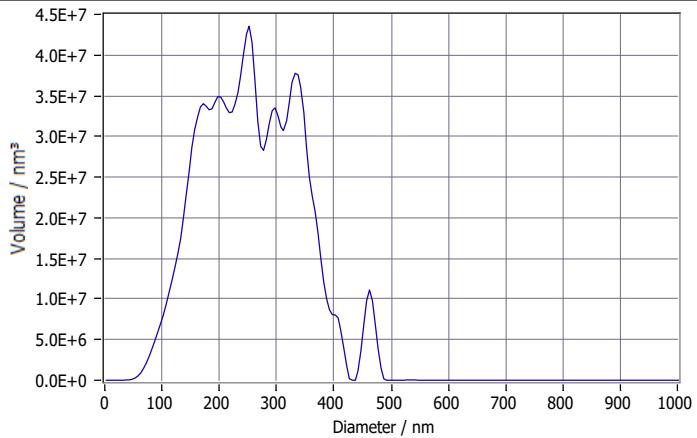
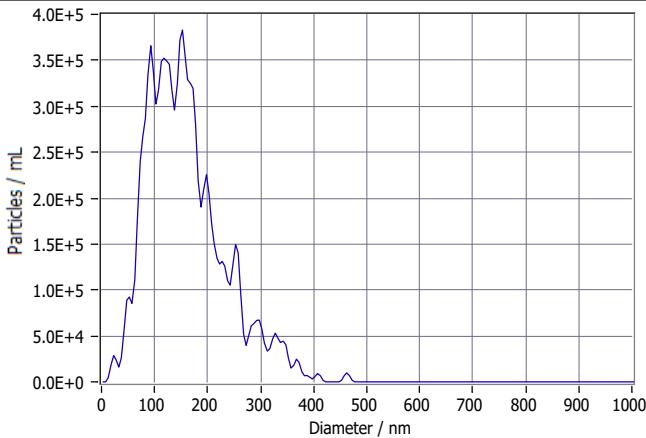
Quality

Average Counted Particles per Frame: 27

Number of Traced Particles: 495

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
153.9	3.7E+5	47.9	45.0
119.6	3.5E+5	59.7	39.6
249.7	1.3E+5	25.6	7.2
331.4	4.9E+4	36.3	4.3
291.9	6.8E+4	23.7	3.8

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	75.4	75.4	147.0
X50	145.9	145.9	251.5
X90	255.9	255.9	364.1
Span	1.2	1.2	0.9
Mean	159.4	159.4	257.2
StdDev	73.1	73.0	84.7

Comment

(Signature)

Analyzed Video: Z:\Adhi NTA\17122025-AKTA\20251217_0016_PC3_100kDa_F1_2_size_488.avi

Experiment: 2025-12-17 13:59 ZetaView S/N 24-1152, Software ZetaView (version 8.06.01 SP1)

Report: 2025-12-17 14:01 Software ZetaView (version 8.06.01 SP1)