

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)

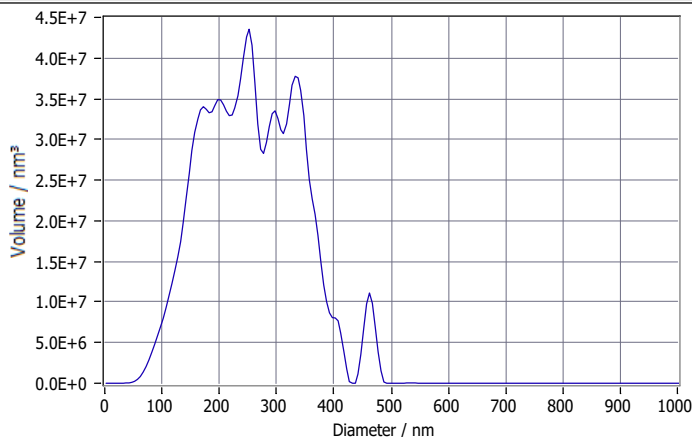
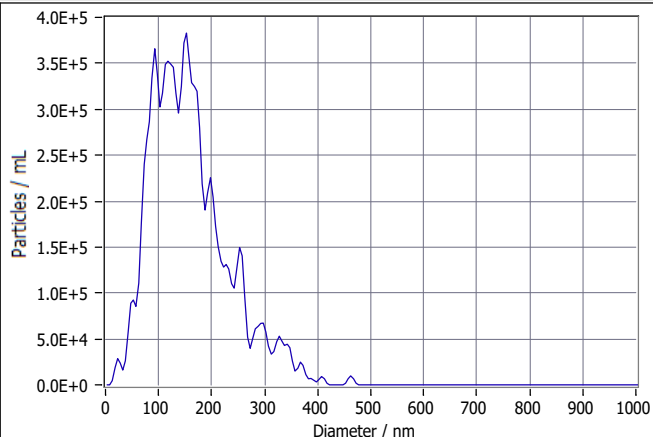
	Number	Concentration	Volume
Median (X50)	145.9	145.9	251.5
StdDev	73.1	73.0	84.7
Concentration:	1.2E+7 Particles / mL		
Dilution Factor:	500		
Concentration Correction Factor:	1.00000		
Original Concentration:	5.8E+9 Particles / mL		

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:\Aadhi 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)