PARTICLEMETRIX
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Electrophoresis & Brownian Motion Video Analysis Laser Scattering Microscopy

Video Operator: ZetaUser

Operator (Report): ZetaUser

Sample Parameters
Sample Name: ureaCA_31_dil200_sen70sh100_c5
Comment:
Sample Remarks0:
Sample Remarks1:
Sample Remarks2:
Electrolyte: H2O
Temperature: 20.18 °C sensed
pH 7.0 entered

Instrument Parameters
Laser Wavelength: 488 nm
Filter Wavelength: Scatter

SOP: <No SOP>
Size Distribution 10 Cycles 11 Positions, 1 Removed for Analysis

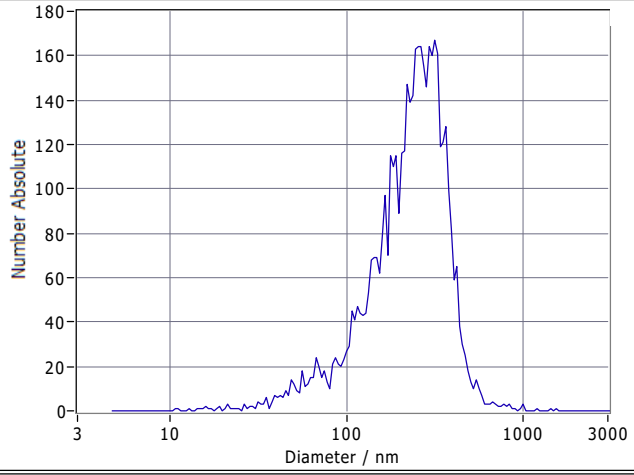
Result (sizes in nm)

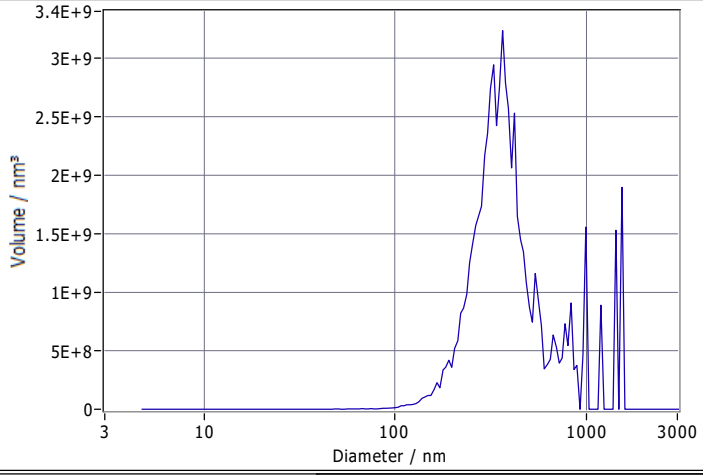
	Number	Concentration	Volume
Median (X50)	234.2	234.2	362.8
Span	115.9	115.9	312.2

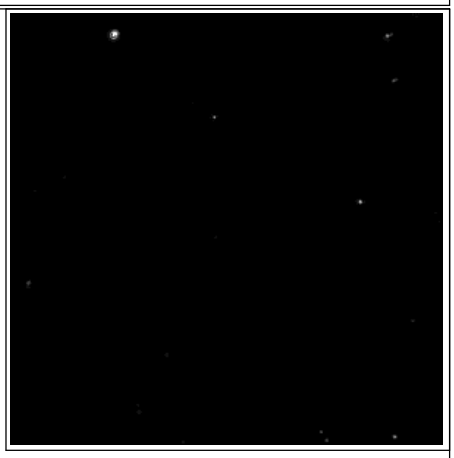
Concentration: 5.3E+7 Particles / mL
Dilution Factor: 200
Original Concentration: 1.1E+10 Particles / mL

Quality
Average Counted Particles per Frame: 114
Number of Traced Particles: 4713

Analysis Parameters
Max Area: 1000, Min Area: 10, Min Brightness: 30







Peak Analysis (Concentration)

Diameter / nm	Number Absolute	FWHM / nm	Percentage
257.0	1.6E+2	180.4	51.7
303.8	1.6E+2	128.5	42.3
68.5	2.0E+1	27.5	6.0

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	103.3	103.3	235.2
X50	234.2	234.2	362.8
X90	368.9	368.9	879.9
Span	1.1	1.1	1.8
Mean	243.2	243.2	476.2
StdDev	115.9	115.9	312.2

Comment

(Signature)

Analyzed Video: Z:\Olga\CarbonNanoDots\CNT (22Oct)\CNT 10-Nov-2022\20221110_0008_ureaCA_31_dil200_sen70sh100_c5_size_488.avi

ZetaVIEW S/N 21-703, Software ZetaView (version 8.05.14 SP7)

Experiment: 2022-11-10 17:18, Report: 2022-11-10 17:32