PARTICLEMETRIX
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Electrophoresis & Brownian Motion Video Analysis Laser Scattering Microscopy

Video Operator: ZetaUser

Operator (Report): ZetaUser

Sample Parameters
Sample Name: LCEV
Comment: EV/ 488nm laser
Sample Remarks0:
Sample Remarks1:
Sample Remarks2:
Electrolyte:
Temperature: 26.06 °C sensed
pH 7.0 entered

Instrument Parameters
Laser Wavelength: 488 nm
Filter Wavelength: Scatter

SOP: EV_488
Size Distribution 3 Cycles 11 Positions

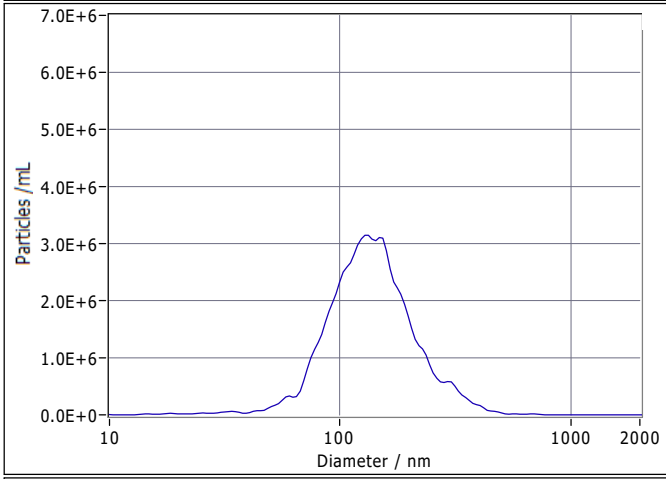
Result (sizes in nm)

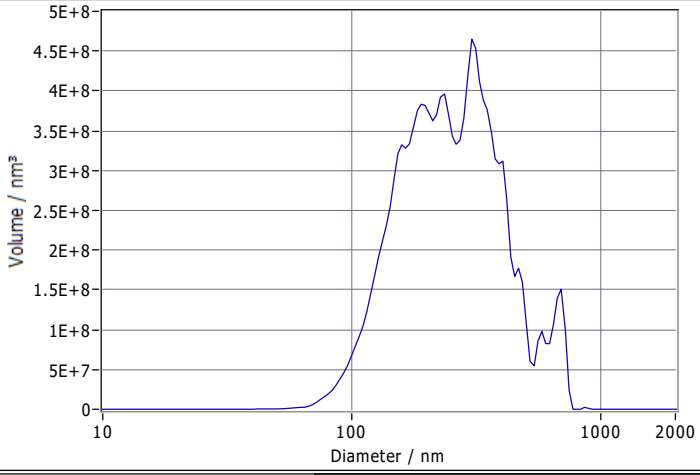
	Number	Concentration	Volume
Median (X50)	132.2	132.2	244.6
Span	69.1	69.1	136.0

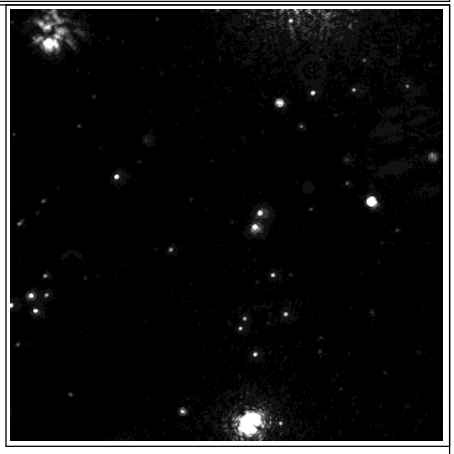
Concentration: 8.5E+7 Particles / mL
Dilution Factor: 3000
Original Concentration: 2.5E+11 Particles / mL

Quality
Average Counted Particles per Frame: 225
Number of Traced Particles: 4626

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







Peak Analysis (Concentration)

Diameter / nm	Particles/mL	FWHM / nm	Percentage
131.1	3.1E+6	117.0	100.0

X Values (all sizes are given in nm)

	Number	Concentration	Volume
X10	79.9	79.9	133.1
X50	132.2	132.2	244.6
X90	228.5	228.5	450.9
Span	1.1	1.1	1.3
Mean	148.5	148.5	278.5
StdDev	69.1	69.1	136.0

Comment

(Signature)

Analyzed Video: Z:\2022\Haerbin\hayida\20230421_0001_LCEV_size_488.avi

ZetaVIEW S/N 22-756, Software ZetaView (version 8.05.14 SP7)

Experiment: 2023-04-21 10:11, Report: 2023-04-21 10:14