

Included Files

Capture 2021-01-27 15-08-25
Capture 2021-01-27 15-20-03
Capture 2021-01-27 15-21-27

Details

NTA Version: NTA 3.2 Dev Build 3.2.16
Script Used: SOP Standard Measurement 03-06-26PM 27Jan2021.txt
Time Captured: 15:07:42 27/01/2021
Operator: yq
Pre-treatment:
Sample Name: H460=non
Diluent: 100
Remarks:

Capture Settings

Camera Type: sCMOS
Laser Type: Green
Camera Level: 14
Slider Shutter: 1259
Slider Gain: 366
FPS: 25.0
Number of Frames: 1498
Temperature: 21.3 - 21.7 °C
Viscosity: (Water) 0.961 - 0.968 cP
Dilution factor: Dilution not recorded
Syringe Pump Speed: 50

Analysis Settings

Detect Threshold: 7
Blur Size: Auto
Max Jump Distance: Auto: 12.7 - 13.0 pix

Results

Stats: Merged Data

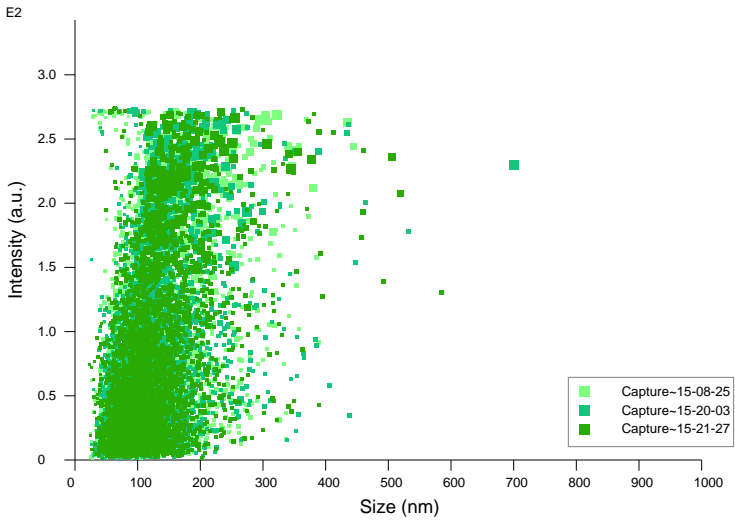
Mean: 137.5 nm
Mode: 99.0 nm
SD: 51.8 nm
D10: 78.8 nm
D50: 116.7 nm
D90: 191.9 nm

Stats: Mean +/- Standard Error

Mean: 137.6 +/- 0.7 nm
Mode: 114.6 +/- 9.1 nm
SD: 51.8 +/- 0.6 nm
D10: 79.2 +/- 1.2 nm
D50: 116.5 +/- 1.0 nm
D90: 191.3 +/- 4.3 nm

Concentration (Upgrade): 6.32e+008 +/- 4.14e+007 particles/ml
74.6 +/- 5.6 particles/frame
90.6 +/- 7.3 centres/frame

Concentration measurements may require some caution due to noise
See summary file for more info



Intensity / Size graph for Experiment:
Capture 2021-01-27 15-07-42