

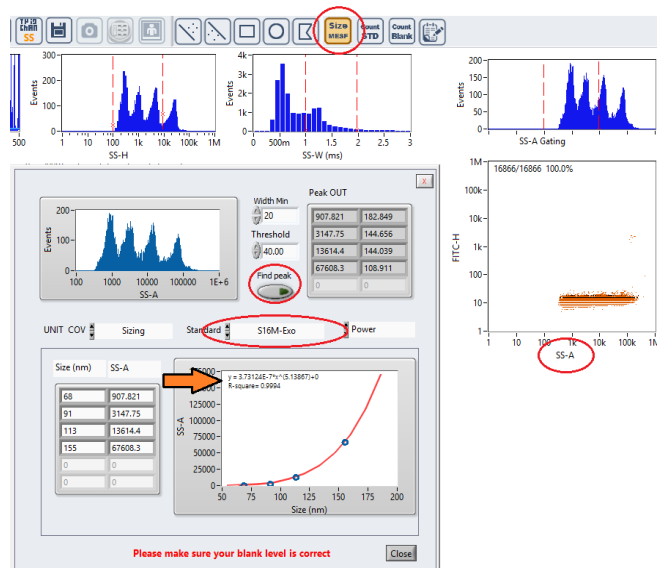
General remarks

The NanoFCM software cannot display two fluorescent channels in combination with the particle size based on SSC signal. Here, we present a work-around solution for FlowJo.

I.) Generate the standard curve based on the S16M/S17M bead recording

- 1) Open the recording of S16M/17M beads in the NanoFCM software
- 2) Change to **SS-A** in the x-axis of the dot plot (default is SS-H but you have usually better resolution with the area signal)
- 3) Click on **Auto Threshold** button and select the “Small Signal” option
- 4) Click on the **Size MESF** button
- 5) In the new window select **Standard** (S16M or S17M) and click on **Find peak** button. “Width Min” and “Threshold” options can be adapted if peaks are not recognized correctly
- 6) Do a quick check of the standard curve for correct appearance. Next, copy the displayed formula and save it in a txt file

In this example: $y = 7.6347E-7 * x^{(5.03099)} + 0$



II.) Export data as FCS files

- 1) **Select NFA** data file to be exported
 - 2) **Adjust threshold** (note that only data above threshold will be exported to the FCS file!)
 - 3) Click **Save** button and select FCS 3.0 as format
- Repeat previous steps for all NFA files you want to export

III.) Generate size (nm) parameter in FlowJo

- 1) Open FlowJo and **import the FCS** files by drag & drop
- 2) Select the first file
- 3) Go to **Tools** → **Derive Parameters** to open the transform window

