



Measurement

1. Name and Note

Sample	
Id	S_1
Name	Line 345
Note	5 yellow anthers

- Select the desired measurement, e.g. S_1
- Enter a sample name and a note (optional)

2. Dispersion



- Slowly invert the FACS tube to distribute sedimented cells and immediately start measuring

TIP: Seal the FACS tube with Parafilm before inverting

TIP: If you intend to prepare larger series of samples, please check the stability of the cells in the buffer. Suggestions can be found in the [Pollen Stability Quick Guide](#).

TIP: Tapping at the sample container helps to prevent larger pollen from sedimenting during the measurement.

Recommended stop conditions

3. Measurement

<p>F-chip 10'000 cells and 3 minutes for approximately 2 ml sample</p>
<p>D-chip 10'000 cells and 2 minutes for approximately 2 ml sample</p>
<p>E-chip 10'000 cells and 1 minute for approximately 3 ml sample</p>
<p>G-chip 10'000 cells and 35 seconds for approximately 3 ml sample</p>

- Put the sample under the sample holder
- Click **Start Measurement**. The measurement will start automatically after the loading process (8 – 12 seconds)
- Stop the measurement manually by clicking **Stop Measurement** or using stop conditions
- With default settings, a flush process is initiated automatically after stopping the measurement

TIP: In case you don't want to contaminate the remaining sample in the FACS tube with flushing water, remove the tube immediately from the sample holder after stopping the measurement and put an empty container under the sample holder.

4. Quality Control

Concentration [cells/ml]	61'391
Accepted	10'239
Rejected [%]	3.7

Date/Time	2018-11-26 17:03
Duration	00:39

- Make sure the rejection and detection rates are below the following thresholds:

- **Rejection rate < 10 %**
- **Detection rate < 1000 cells / second**
 (= accepted cells / measurement duration in seconds)

TIP: Samples with high cell concentrations have a higher risk of chip clogging. Dilute the samples if you have frequent cloggings.

5. Next Measurement

Measurements + - 1 ▲▼

- Select the next measurement, e.g. S_2
- In case no further measurements are available, add more measurements in the Worklist: In the Amphasoft **Navigation** panel on the left click on **Measurements** and add a new measurement using the **+**-button at the bottom left.
- Afterwards return to the **Measurement** tab by selecting the desired measurement in the **Navigation** panel, e.g. S_3.