



Do your first measurement with a contact angle at ambient temperature

Select Kinetic menu

Prepare your sample. Clean it with Ethanol to insure no dust or contamination

Clean your syringe first with Ethanol, then with liquid to be used (fill it up 3 times)

Fill up your liquid inside the syringe.

Insure no bubble inside the syringe to avoid leak during the measurement.

Place your syringe in the aluminium block syringe then place it in the Aluminium Bloc Syringe Holder.

Click on View > Focus Assistance and insure the number to the right is the highest possible and the value of number at the left very close from this number. Desactivate it.

Click on Measure > Height – Width Calibration and calibrate your pixel by using the needle of the syringe.

Once this is has been done go back to view and click on View > Volume estimation

Press the syringe slightly to get a volume to be displayed on the screen . if it doesn't display anything, means that the ambient light might be a problem

Please correct it by turning off the light or other ways.

Once the droplet is done. Click on the icon at the right end of the screen , named MVT

Select a speed.

Insure to have Desactivated the button at the left of a pendant drop icon

Insure to have ticked an icon camera recording and the icon representing a droplet with 2 arrows both sides

Insure that you get enough time to record a long sequence. If not go to Tool Box (Click on icon representing Harmer with a screw driver) and slides the button named “ Memory allocated to the video” and use a value up to 900 MB or below). Bigger will be the value, longer will be the sequence.**ATN** Above 900MB your software will be closing alone

Then click on single.

The table will move up and pick up the droplet on the table (it might possible that it will try 3 times)

During the sequence the software record everything. During this process a Window appears at the left indicating that the instrument is recording.

Once this window has disappeared. The recording process is over.

Click in the arrow just above the screen to reload the sequence (same arrow like in any video camscope)

Give a name you liquid and surface.

Select a Polynomial mode to do your measure

Select the first image of your sequence (The first image is the image when the droplet is distached from the needle) and the last image (end of the sequence)

Place these values at the Sequence menu at the very bottom of the fixed window at the left of the screen.

Create an incrementation of $inc = 1$ or 10 depending on the number of images to be analysed

>Click on start.

At the end of the analyse , select the first droplet where the base line don't move

This is your first contact angle measurement

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