

To wet a nanopore for Tunable Resistive Pulse Sensing (TRPS) analysis, follow the instructions below until a stable baseline is established. Once your baseline is stable, proceed to step 6.



Reminder: a stable baseline current is one that is 100-140 nA, drifts by less than 0.5 nA in 60 seconds and has an RMS noise of <15 pA. An unstable baseline current will produce unreliable measurements and should not be used under any circumstances.

# 1

### Load Nanopore

Load the nanopore (serial number facing upwards) onto the stretcher unit and stretch to 47 mm.

# 2

### Load Wetting Solution

Pipette 75  $\mu$ L of Wetting Solution onto the lower fluid cell and 35  $\mu$ L into the upper fluid cell.

# 3

### Apply Pressure

Insert the pressure nozzle and apply 2500 Pa pressure, wait 2 minutes. A stable baseline current should now be established.

# 4

### Intermittently Tap with Pressure Application Device (PAD)

If a stable baseline has not been established, periodically tap the top of the pressure nozzle with the hard side of the PAD.

# 5

### Increase Stretch

Increase nanopore stretch to 49 mm and repeat steps 3 and 4.

# 6

### Remove Wetting Solution

Remove the Wetting Solution, remove the nanopore, clean residual Wetting Solution from the upper and lower fluid cell and dry with either a lint-free tissue or compressed gas. Reload the nanopore and load with Measurement Electrolyte to continue.