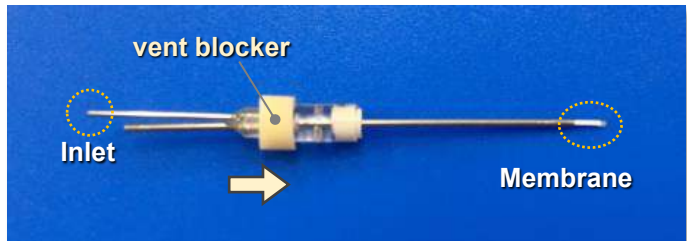


# AtmosLM Probe Leak and Clogging Check before Sampling

## Leak Check

1. Block a vent with a vent blocker\*



\* Enclosed with a probe

2. Using a syringe pump, flow water or perfusate from the outlet at **5  $\mu$ L/min**. The inlet is open.

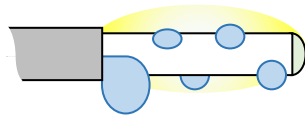
3. The membrane begins to get wet in about 30 seconds, then liquid comes out from the probe outlet or membrane in 1 minute.

Liquid is coming out from the probe inlet or the whole of the membrane. → OK  
 Liquid is only coming out from the connection or the tip of the membrane. → NG ?

Inlet	Membrane	Judgment

Please contact us in the following case.  
 Liquid does not come out from the inlet and at the same time liquid does not come out of the whole of the membrane.

4. If no leakage, confirm to permeability of the whole membrane. It is easy to understand by soaking the membrane in ethanol for 1 second or closing the inlet for a few seconds.



OK image

## Clogging Check

5. Change tube from the outlet to the inlet of probe. The outlet is open. Flow water or perfusate from the inlet by syringe pump or manual. If liquid comes out from the outlet or the membrane, there is no clogging.

**No Leak, No Clogging**



6. Remove the vent blocker, and Joint tubes to the probe correctly. Then proceed to sampling preparation.