

Gas measurement in **EMBRYOSCOPE** incubators.



Scope of the document:

Here, we suggest a method of using **LEO** to measure the gas composition in **EMBRYOSCOPE** incubators.



PRECAUTIONS:

- Please be cautious with your cultured embryos, considering that during the measurement procedure the composition of the gas in the chamber may be affected.
- Read the manuals for the incubator and LEO for usage and safety details.



GENERAL CONSIDERATIONS:



Evaluate the need for chamber cleaning and disinfection after working on the incubator.



As good practice, it is recommended to have LEO charged before use, and not to charge it during use.



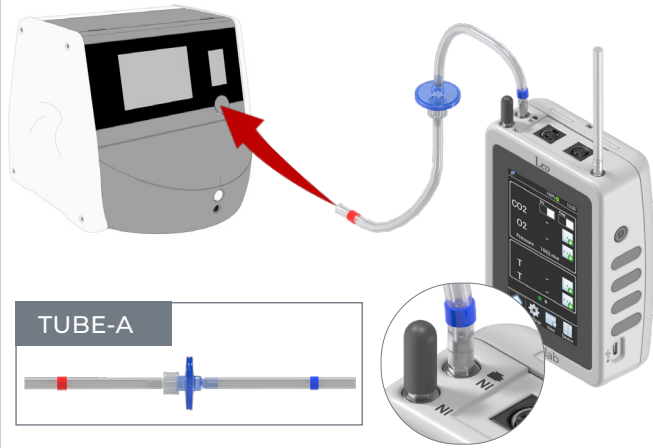
Always read the manual of the devices.



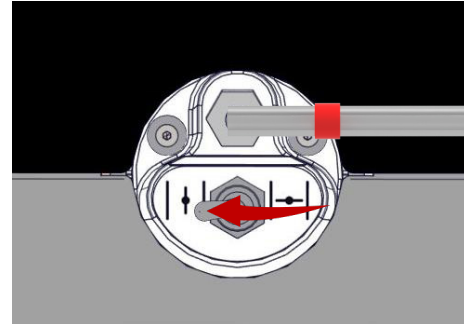
If LEO shows a message that it's warming up, it is advised to complete the warm up period before using.

MEASURING PROCEDURE:

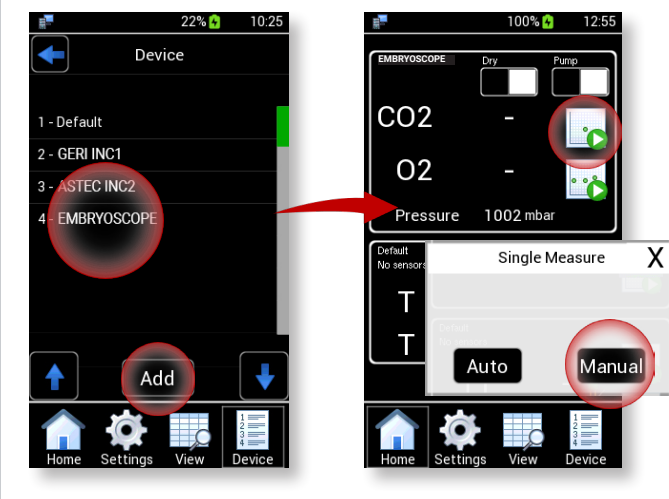
STEP 1 Connect TUBE-A to LEO's **IN** port and to EMBRYOSCOPE's gas sample port.



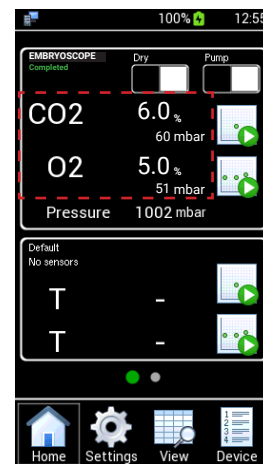
STEP 2 Open EMBRYOSCOPE's gas sampling port outlet valve.



STEP 3 Start a LEO single measure in Manual mode.



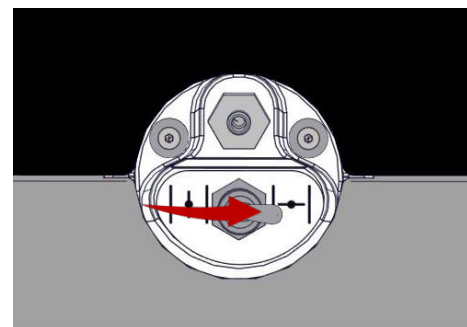
STEP 4 LEO will show and store the measured values at the end of measurement.



STEP 5 Remove LEO and TUBE-A and store them.



STEP 6 Close EMBRYOSCOPE's gas sample port outlet valve.



DEVICE SETUP IN LEO'S DEVICE MENU

The following table shows the suggested measuring parameters for **LEO**.

Device Name	Pump/ Diffusion	Wet / Dry	Measure Duration	Gas Return
EMBRYOSCOPE	Pump	Dry	Manual	No