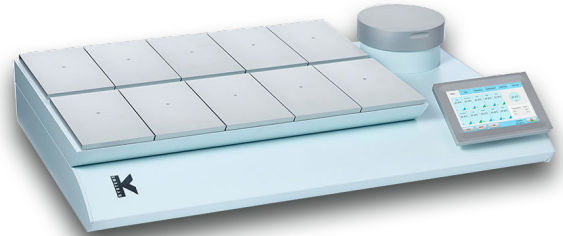
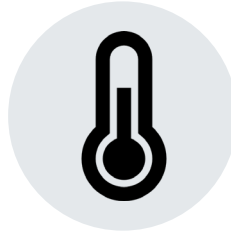


Temperature measurement in **K-SYSTEMS** incubators.



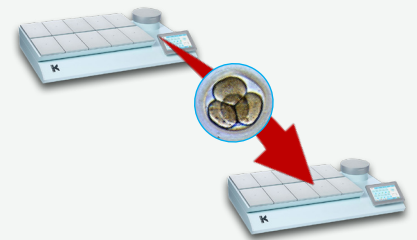
Scope of the document:

Here, we suggest a method of using **LEO** to measure the temperature in **K-SYSTEMS** incubators.



PRECAUTIONS:

- Please be cautious with your cultured embryos, considering that during the measurement procedure a temperature probe will be inserted into the chamber.
- 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.



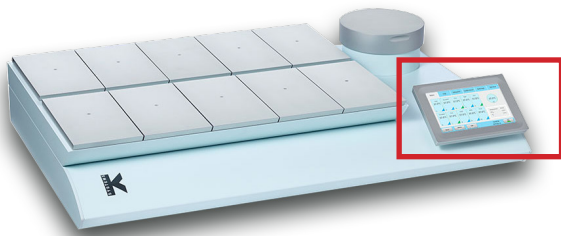
As good practice, it is recommended to have LEO charged before use, and not to charge it during use.



Always read the manual of the devices.

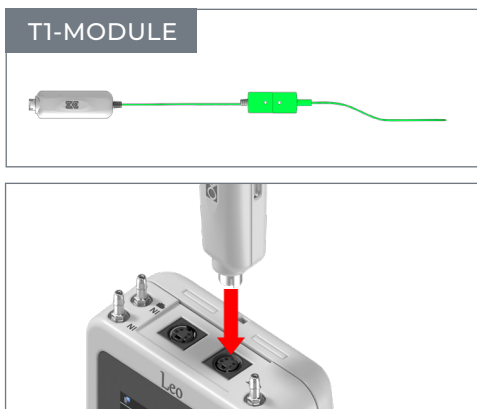
MEASURING PROCEDURE:

STEP 1 If you prefer, set **K-SYSTEMS** to 37°C by using the configuration menu of the incubator.

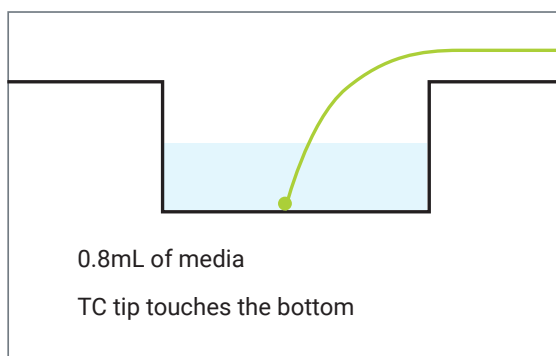


Main	Log	Setpoint	Calibration	Settings	Service
Temperature			Gas		
Setpoint:	37.0°C	CO ₂ Setpoint:	5.5 %		
Mean:	37.2°C	CO ₂ Concentration:	5.0 %		
		O ₂ Setpoint	5.0 %		
		O ₂ Concentration:	5.0 %		
Advanced		Alarm	Log	32:35:51 2014-08-05	

STEP 2 Place **LEO's temperature probe (T1-MODULE)** inside a **4-well Dish**, as indicated in the following schematic of **K-SYSTEMS**. You can use two T1-MODULEs together to measure 2 chambers.



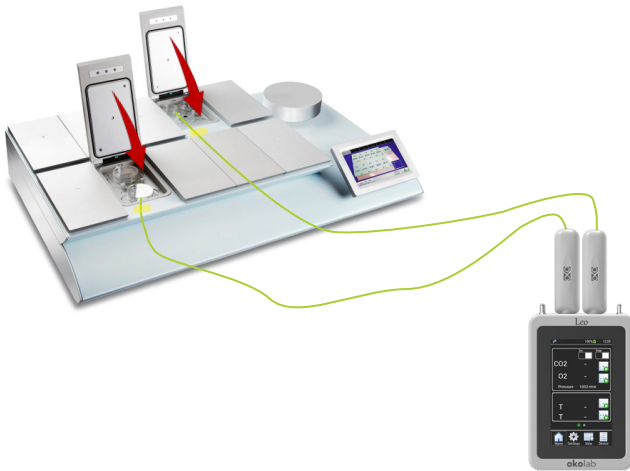
STEP 3 Place the cable of **LEO's probe** so that the tip of the sensor touches the bottom of the dish.



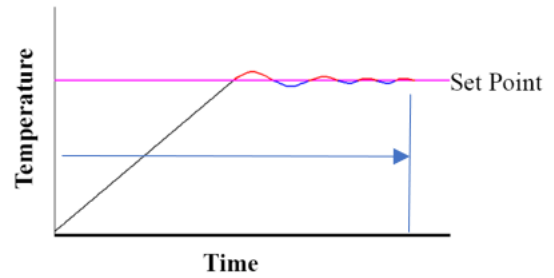
STEP 4 Fix the cable of **LEO's probe** with adhesive tapes if needed, so it will not move from its position, and put the cover on dishes.




STEP 5 Close the chamber lids.



STEP 6 Give enough time for K-SYSTEMS and the media to thermally stabilize.



 If the temperature on **LEO's** display is stable for a period of 10 minutes, proceed to **Step 7**.

STEP 7 Take the reading from LEO.



STEP 8 Remove LEO's temperature probe from K-SYSTEMS.

