

# Incubator

## Why are routine temperature verification and calibration needed?

- ❖ The incubator is used to grow and maintain cultures. It is critical it maintains optimal temperature, humidity, CO<sub>2</sub>, and oxygen
- ❖ Temperature verification is critical in CO<sub>2</sub> Incubators as the unit needs to maintain optimal conditions while processing for accurate yields. These conditions include temperature, humidity, Carbon Dioxide, and oxygen
- ❖ The tiniest deviations in the culturing environment can result in undesirable outcomes due to the importance of consistency and reproducibility in cell culture applications
- ❖ Routine verification and calibration ensures reproducible results and helps protect cultures from undesirable variables

## Why is routine preventative maintenance (PM) service important?

- ❖ Routine preventative maintenance service is targeted at the prevention of unexpected downtimes through thorough inspection and cleaning of the equipment
- ❖ Preventative maintenance ensures that your culturing environment is reliably maintained and controlled, maximizing culturing consistency and repeatability, optimizing culturing performance
- ❖ Designed to check, validate and promote continuous and stable incubator performance, optimizing instrument conformity with programmed culturing parameters
- ❖ Annual PM service includes temperature calibration and is recommended by MarathonLS and the manufacturers

