

## 11-Laboratory Environmental Conditions

**Prepared by:** Yusra Othman /Director/Supervisor-Chem **Date:** May/28/2024  
signature/title  
**Reviewed by:** Jordan Dillard /Instructor **Date:** June 25 2024  
signature/title  
**Approved by:** Stanford N. Bailey, M.D /Chairman **Date:** July 7 2024  
signature/title

**ANNUAL REVIEW:**

<b>REVIEWED</b> <u>Stanford N. Bailey, M.D</u>	<u>July-16-2025</u>
signature/title	Date
<b>REVIEWED</b> _____	_____
signature/title	Date
<b>REVIEWED</b> _____	_____
signature/title	Date
<b>REVIEWED</b> _____	_____
signature/title	Date
<b>REVIEWED</b> _____	_____
signature/title	Date
<b>REVIEWED</b> _____	_____
signature/title	Date

<b>REVISED</b> _____	_____
signature/title	Date/Page/Paragraph
<b>REVISED</b> _____	_____
signature/title	Date/Page/Paragraph
<b>REVISED</b> _____	_____
signature/title	Date/Page/Paragraph
<b>REVISED</b> _____	_____
signature/title	Date/Page/Paragraph
<b>REVISED</b> _____	_____
signature/title	Date/Page/Paragraph

**SUPERSEDES: Procedure titled** \_\_\_\_\_**Purpose:**

Define the responsibilities and describe the activities regarding the control of environmental conditions in those testing and calibration areas where it is a requirement.

**Scope:**

Applies to the environmental conditions of the laboratory and reagent storage locations.

**Abbreviations:**

°C - Degree Celsius

NIST - National Institute of Standards and Testing

SOP- Standard Operating Procedure

**Policy:**

Temperatures and humidity ranges are to be tracked and recorded daily when in use. Thermometers able to track minimum and maximum temperatures and humidity are to be used and certified.

**Procedure:****Monitor and Record**

1. Verify that doors leading to lab areas are kept closed unless in use.
2. Daily verify that the temperature and relative humidity of the lab are within the acceptable range based on instrument manufacturer's instructions. Daily record the Temperature and Humidity in Log. All Thermometer/Clock/Humidity Monitors are certified traceable to NIST standards. Records of traceability for each thermometer are on file with equipment specification sheets.
3. Lab director or designee responsible to review log, corrective actions and proper documentation
  - a. Monthly review the Temperature and Humidity Log. If the environmental conditions have exceeded the acceptable range, assess any data and/or quality controls from test methods to determine if the data is valid.
  - b. If any data is determined to be invalid, take appropriate action per the Control of Nonconformance SOP

\*For optimal performance, avoid rapid or extreme fluctuations in room temperature

## References

CAP all common checklist 2023  
COLA accreditation manual 2022