

STANTON TERRITORIAL HEALTH AUTHORITY

Yellowknife, Northwest Territories

TITLE: Mycobacteria Containment Level II Biological Safety Cabinet	Revision Date: 07-April-2017	Issue Date: 07-April-2015
Document Number: MIC80600	Status: Approved	
Distribution: Mycobacteria Manual	Page: 1 of 4	
Approved by: Gloria Badari, Director, Corporate Services and Chief Financial Officer	Signed by: (Original Signed Copy in Microbiology)	


PURPOSE:

To standardize the general use, quality control and maintenance of the Mycobacteria Containment Level II Biological Safety Cabinet (CL-2 BSC).

SPECIAL SAFETY PRECAUTIONS:

- Handle all patient samples and testing reagent using “Routine Practices”
- Please refer to the Northwest Territories Infection Prevention and Control Manual, March 2012
- Prior to testing all patient are to be identified as per I-0500 Use of Two Patient Identifiers.

MYCOBACTERIA BIOLOGICAL SAFETY CABINET (BSC)

Equipment	Information
Mycobacteria BSC (CL-2)	
	Manufacturer: <ul style="list-style-type: none"> • LabConco Precautions: <ul style="list-style-type: none"> • Ensure airflow is properly established before manipulating patient samples inside BSC. Refer to <u>LSM30200</u> for complete details of Use & Maintenance

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INFORMATION:

- BSC is a Class II type A2
- Airflow and class is illustrated on the left front face of the hood.
- HEPA-filtered air recirculates back into the laboratory through the exhaust.
- Raise sash to the line level to start airflow.
- Use of BSC may begin when the status says “OK” in the Information Centre LCD display
- Never use BSC when there is a “System Error”
- Do not obstruct the front, side or rear return air grilles



START-UP & SHUT-DOWN – THE BASICS:

- Start up the cabinet by raising Sash until the bottom edge aligns with the Sash Level line
- The lights should turn on and the blower should begin automatically. If it does not, press the “Blower” button on the right hand Touchpad. The BSC may take approx. 3 minutes before proper airflow is established. If an alarms sounds, check the Information Centre LCD display for error. Never use the BSC when there is a “System Error”.
- If status is “OK” BSC may be used for work on patient samples.
- To turn the BSC off, simply close the Sash. Lights and blower will shut off.
- If the technologist wants the sash open but the blower off, use the Touchpad to stop the blower and airflow.

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KEY POINTS IN BSC USE:

- Keep all materials at least 4 inches away from the sash/opening
- Perform all contaminated operations as FAR TO THE REAR as possible
- Keep the most contaminated materials on the rear of the cabinet
- In case of a spill, all objects in the cabinet should be surface decontaminated before removal. Disinfection of the work surface should always be done while the cabinet is still in operation (airflow circulating).
- Perform a 3 minute purge after loading the cabinet before use, and then another 3 minutes purge when work is complete inside cabinet.
- Wipe-down cabinet surfaces with an Accel TB and allow to dry before turning off cabinet. Wipe inside of sash with Accel TB followed with a suitable glass cleaner (ie. Windex) to remove streaks.

MAINTENANCE SHEETS:

- Found in Lab Safety Manual → Biological Safety → LSM30210 “BSC Monthly Maintenance

RELATED DOCUMENTS & REFERENCES:

- Labconco Corporation. (2009). *User's Manual - Purifier Logic Series Biological Safety Cabinets*. Kansas City, MO: Labconco Corporation.
- Lab Safety Manual – Biological Safety - LSM30200 “Biological Safety Cabinet” & LSM30210 “BSC Monthly Maintenance Record”.

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REVISION HISTORY:

REVISION	DATE	Description of Change	REQUESTED BY
1.0	11-Feb-15	Initial Release	L. Driedger