

**SOP 30 – M/C 3622 Autoclave
Large Autoclave in L20 at DBNRRC**

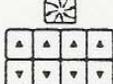
EQUIPMENT:

- M/C 3523 Gravity/Laboratory Sterilizer
- Items to be sterilized
- Heat protective gloves and face shield

PROCEDURE:

1. Press the Controls “On” switch.
2. Open Control End door.
3. Load the sterilizer, then close the door.
4. Select processing cycle (refer to time and temperature chart).
5. Select exposure temperature (refer to time and temperature chart).
6. Select exposure time (refer to time and temperature chart).
7. Select exhaust (drying), (refer to time and temperature chart).
8. Press the Start Cycle switch to begin the automatic processing cycle.
9. Once the processing cycle begins, the following will occur automatically:
 - The ready indicator will go out and the conditioning phase indicator will come on.
 - When the selected exposure temperature is reached, the conditioning phase indicator will go out and the exposure phase indicator will come on.
 - When the phase timer displays 00:00, the exposure phase indicator light will then go out and the exhaust phase indicator will come on.
 - When the phase timer displays 00:00, the drying time is complete. The exhaust phase indicator will then go out and the complete indicator will come on. If no drying time was selected, the exhaust phase indicator will go out after the steam is removed from the chamber.
 - When the complete indicator comes on, a buzzer will sound to alert the operator that the cycle has concluded. The buzzer will sound for one minute.
10. On power door – press the appropriate open door switch. On manual door, pull the door control knob to unlock the hooks. Swing open the hook cover. The open the door cover.
11. Put on PPE (heat resistant gloves and face shield).
12. Remove the load when the chamber pressure gauge is at zero psig.

M/C 3622, 3633 STEAM STERILIZERS
Pertinent Information

TIME & TEMPERATURE CHART M/C 3622 STEAM STERILIZER						
LOAD	CYCLE SELECTOR 	EXPOSURE TEMPERATURE ± °C 		MINIMUM EXPOSURE TIME 	MINIMUM EXHAUST (DRYING) TIME  (See Note 1)	
		ALTITUDE: 0-6,000 Feet	ALTITUDE: 6,001-10,000 Feet			
LINEN PACKS ----- Wrapped		121°C		00:30 (Minutes)	00:15 (Minutes)	
HARD & DRY GOODS ----- Wrapped		135°C	131°C	00:10 at 135°C 00:25 at 131°C (Minutes)	00:15 (Minutes)	
TEMP. SENSITIVE DRY GOODS		121°C		00:30 (Minutes)	No Minimum	
INSTRUMENTS & UTENSILS ----- POROUS ITEMS Unwrapped (Flash)		135°C	131°C	00:03 at 135°C (Minutes)	No Minimum	
VACUUM SENSITIVE WRAPPED GOODS	 (See Note 2)	135°C	131°C	00:10 at 135°C 00:25 at 131°C (Minutes)	00:40 (Minutes)	
		121°C		00:30 (Minutes)	00:40 (Minutes)	
LIQUIDS		121°C		75ml to 250ml	00:30 (Minutes)	No Drying Time can be selected.
				500ml to 1000ml	00:45 (Minutes)	
				1500ml to 2000ml	00:55 (Minutes)	
				3000ml to 4000ml	01:00 (1 Hour)	

NOTE 1: Exhaust (Drying) Times recommended are MINIMAL TIMES based on actual tests of loads under controlled conditions. Acceptable drying times may vary depending on wrapping techniques, services, and maintenance of equipment.

NOTE 2: The instrument cycle is a gravity cycle during which a vacuum is not used.

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