

BIOSAFETY MANUAL



		Document no.: RTPC2/SOP9	Edition/Revision : 1/0
			1 of 2
Operation of Autoclave			Effective Date: March 2013 Date of Revision: NA
Prepared by: Mohamad Supian Mohd Noor (SOP Committee)		Reviewed and approved by: Dr Goh Hoe Han (Head of SOP Committee)	
Purpose of procedure This procedure has been developed to ensure the proper use of autoclave (Astell)			
Scope This procedure only applied to authorised personnel operating the autoclave			
Responsibilities The RTPC2 technician to ensure proper operation of the autoclave			
Steps <ol style="list-style-type: none">1. Check that power display is on2. Press “Door” button to unlock the bolt3. Turn Handle and open door4. Check whether the gasket is correctly seated and if there is any damage5. Add water to chamber if display shows “FILL WITH WATER” until it shows “DOOR OPEN”6. Load the sterilization items7. Close cover and rotate handle to lock8. Select cycle9. Press [START] button to start the cycle10. Press “DOOR” when display shows “COMPLETE” at end of cycle11. When the door unlocks rotate handle and open the door12. Open door fully and unload chamber13. If door is not open when [DOOR] button is pressed it will relock after 10 seconds and just press [DOOR] button again			
Notes: <ol style="list-style-type: none">1. Wear proper PPE (such as rubberized aprons, full-face shields and heat and liquid resistant gloves)2. Items are position in the autoclave to allow steam penetration into all items to be decontaminated3. Ensure items containing chemicals such as phenol or chloroform are not placed in an autoclave4. Ensure the biohazard autoclave bag and container are not tightly sealed and stoppered5. Autoclaves can sterilize all items that are heat stable. In gravity autoclaves, a cycle of 121°C under pressure for one hour may be required for decontamination6. Use a biological indicator to verify proper autoclave operation7. Allow autoclaved containers and bags to cool before place in biological waste bin8. Verify autoclave effectiveness periodically (monthly) with biological (seed germination test) and chemical indicators that are available from the Biosafety Office			

<u>Training required</u>
Autoclave commissioning training course
<u>Location</u>
Autoclave room