

End of a production cycle Safety Sheet

Protocol

Step	Procedure	Comments
1	Close all the valves	
2	Close the tank containing the product, separate it from the rest of the machine, and leave it for an hour.	This ensures full oxidation of the potentially remaining indoxyl by oxygenation.
3	Detach and store containers with IPTG and arabinose.	Arabinose can be stored at room temperature. Place IPTG at -20°C.
4	Open the other bioreactor tanks and add bleach. Place the tubes in bleach. Leave it for 8 hours.	Bleach kills the living bacteria.
5	Dispose of the liquid in the appropriate waste disposal container.	
6	Disassemble all the parts and wash by hand or in a dishwasher.	
7	Assemble the tanks of the bioreactor once again.	Do not add the arabinose and IPTG tanks.
8	Test for watertightness.	Add water to each tank and look for leaks. Do not forget to test the tubes as well.
9	Add the appropriate culture medium where required.	The medium should be prepared immediately before being added to the tanks.
10	Autoclave the assemble machine.	Follow guidelines for autoclaving of liquids.
11	Finish assembling the machine outside of the autoclave.	

Laboratory handling guidelines

EPI and clothing:

- Gloves
- Closed lab-coat
- Long pants, closed shoes with no skin exposure
- Tied hair
- Face protection equipment (recommended when removing the bioreactor from the autoclave)

Staff training:

- Lab specific protocol training
- Training for equipment under pressure

Risks

- Risks linked to the use of pressurized equipment
- Product spillage
- Bacteria spillage