

TOMTEC CELL HARVESTER OPERATING PROCEDURE

This equipment belongs to Professor Cooke's group, permission must be obtained prior to use.

Users must be trained and the appropriate risk assessments must be in place.

- 1) Before switching on the pump and the cell harvester check that the lever on the pressurized tank is in the central position between TRAP and DRAIN. Check that the water tank is full and lid is tight.
- 2) Now you can switch on the pump 1 (green switch) and pump 2 (switch at the plug)
- 3) Switch on the cell harvester (3 and 4) and put the lever on the pressurized tank on to TRAP.
- 4) Replace the clear plastic water tray with a clean wash plate and run 1 or 2 cycles of the program you intend to use, check on a spare filter if all the wells are aspirated properly.
- 5) Harvester plates. If you are have more than 4 plates to harvest, empty the pressurized tank (**See 6**), and then continue.
- 6) When finished run 2 full cycles (Program 1), without a filter and with the clean wash plate.
- 7) **Empty the Pressurized Tank:** Put the lever between TRAP and DRAIN. Bring the pressure down (below 10) by pressing on the release valve.
- 8) Now put the lever on DRAIN making sure that the tube is in the flask for the liquid waste collection. This operation might need to be done several times to make sure that the tank is empty. When finished put the switch back to the middle position.
- 9) Replace the clear tray containing distilled water. **Make sure water covers the white rings at the top of the probes, to prevent drying out.** To fill the tray press STOP to exit your program, press PRIME (you may need to SCROLL to see PRIME WASH BUFFER in the display), and press RUN as many times as needed to fill the plastic tray.
- 10) Switch off the pump (1 and 2) and the cell harvester (3 and 4).
- 11) Open the lid of the water tank and release the pressure in it. Refill the water tank with single distilled water (near the ice machine 3rd floor).
- 12) 3H waste should be poured down the sink in room 332a opposite and disposal sheet filled in.
- 13) **All solid and scintillation waste should be removed (with the completed disposal form) to the waste store on completion of your experiment. If you have any doubt about the correct disposal route for your waste contact an RPS.**

Counter Consumables
Sample Bags 1450-432
Printed Filter Mats 1450-421
Order from: Perkin Elmer LAS
Contract and Spares
Receptor Technologies

Radiation Protection Supervisors:
Steve Mitchell 33937
Anna Sowa 33875
Helen Moore 33359

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