

OCDEM, Churchill Hospital, Oxford OX3 7LE

**SOP number: OCDEM S10**

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## Phenol Handling

Read 'OCDEM RA 6: Working with Phenol Risk assessment' before working with an procedure using phenol.

All experiments using Phenol must be conducted in a fume hood (Tissue culture hoods are not fume hoods). This includes the collecting of cells from plates and dishes and putting samples into Trizol for later extraction.

**No Trizol is to be Stored or used in the Tissue culture facility.**

**Sharps such as needles are NOT permitted to be used with phenol.**

The Fume hood at the top of the Oxlip lab has been designated for this purpose. There will be a booking system in place (Chris Groves). All items needed for your experiments will need to be taken to the hood and removed once you have finished. We have agreed that one set of waste containers can remain in the hood for use by all groups.

Please note that the hood is not exclusively for the use of phenol – it is used by others. In the event of one of the other fume hoods breaking down the hood may become very busy.

**! Phenol and Chloroform must not be used on the open bench!**

## Waste Handling

- Liquid waste should be disposed of in a suitable bottle i.e an empty Trizol bottle and placed in the red crate located in the galley between the McCarthy and Oxlip labs; please do not place the bottles in the crate until they are full.
- For small volumes of liquid waste such as those remaining in eppendorfs, you should not attempt to pour these off. These should be placed in suitable containers such as an empty media bottle and placed in the blue phenol waste bins located in the galley.
- Other solid waste such as pipette tips and other items which have come into contact with phenol but do not contain any liquid should be disposed of in suitable containers such as an empty media bottle and placed in the blue phenol waste bins located in the galley (labelled as contaminated plastic with liquid). If you use phenol with larger items of plasticware such as cell scrapers or cell culture plates, these need to be left in the fume hood until they are dry. They can then be disposed of in the blue phenol waste bins labelled as dry contaminated plastic.

**! Eppendorfs or tubes containing small amounts of Trizol need to be separated from tips as the volume of Trizol remaining in these eppendorfs/tubes needs to be estimated for disposal records!**



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