



COSHH & Risk Assessment Form

Before any experimental procedure involving the use of chemicals or reagents is undertaken, potential hazards must be identified and an assessment made of the risks posed by these hazards in the work activity in which they are involved. This risk assessment is a legal requirement to comply with the Control of Substances Hazardous to Health (CoSHH) Act and is the responsibility of the research workers supervising the research projects. Before undertaking experimental procedures, all members of staff must read and sign the relevant CoSHH assessments

Title of Procedure: Fixation of tissue samples

Labs Involved: Biorepository Sample processing Lab

Brief Description: The fixation of tissue with 10% formalin

Please note: Known carcinogens, teratogens and mutagens should only be used in consultation with senior staff and the Departmental Safety Officer. All user must have read University supplementary Code of Practice for the use of such substances and comply with its recommendations. It is important to realise that the use of certain carcinogens is banned by law

<i>Chemical/Reagent</i>	<i>Hazard Quantity</i>	<i>Stock Volume/ Action</i>	<i>Emergency</i>	<i>Risk level</i>	<i>Precautions</i>	<i>Disposal</i>
Formaldehyde or formalin	harmful if ingested, inhaled or absorbed through skin. Inhalation may be fatal. May cause allergic	10-50ml	wash skin and eyes with copious amounts of water and seek immediate medical attention.	High	wear unpowdered nitrile gloves and do not handle outside class 2 cabinet or fume hood. Ensure cabinet and fume hood working before use. Only trained personnel to carry out	Formaldehyde evaporates during procedure

Tissue (should be low risk)	Treat as potentially hazardous	<10g	Low	Wear gloves & work in Class II hood	Fix in 10% formalin and then in yellow bin Blue lid
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Good Laboratory Practice should be adhered at all times

- Common sense at all times!
- Never eat, drink or apply cosmetics in the laboratory.
- Wash your hands in the designated sinks whenever you have finished your lab work.
- Be familiar with the potential hazards involved in your work and take appropriate precautions.
- Wear protective clothing as needed, lab coats are a minimum.
- Keep your work area clean and tidy.
- Dispose of materials appropriately.
- Use appropriate care with electrical equipment.
- Use appropriate care with sharps
- Use appropriate care with substances of extreme temperatures (liquid nitrogen or hot liquids)
- Operate maintain and service all your equipment properly, if in doubt ask!
- Work in appropriate containment hoods where necessary.

Associated risks with procedure:

All biological samples should be handled with gloves and ideally in a class II hood. Surfaces that tissue have touched should be cleaned as per SOP

Assessed by: Steven Haynes **Date:** 14.02.2019

Approved by: Kevin Corke

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