

Risk Assessment

Date: 06.03.2024

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Name of Experiment: ¹⁹F NMR on complex I subunits

Reactions, expt conditions and procedures with safety implications:

Protein sample in buffer solution (25mM HEPES pH 7.5), 300mM NaCl, 0.05% DDM

The sample is not toxic, dangerous or hazardous in any way.

Spills: No specific hazards, can be cleaned using standard lab safety precautions (lab coat, gloves).

Disposal: Treat as non-hazardous lab waste.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Substances, incl. those formed during the experiment and solvents. Include state of matter and concentration (if appropriate):

1. HEPES, in solution, 25mM - not a hazardous substance
2. NaCl, in solution, 300mM - not a hazardous substance
3. n-Dodecyl beta-D-maltoside (DDM), in solution, 0.05% - not a hazardous substance

Overall risk with consideration to dangers and safety/protective measures undertaken: LOW

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