
 NUS National University of Singapore  CIBA Faculty of Science, Dept of Physic , Centre of Ion Beam Applications	Procedure No:	CIBA/SOP/Eq /006
Title: Refrigerators and -85°C freezer	Rev No:	30 April 2008
	Issue Date:	Page 1 of 2
Prepared by: Dr Ren Minqin	Approved by: Prof Frank Watt	Review Date: 28 April 2008

1. OBJECTIVE

This procedure outlines the proper storage of animal tissue samples in the refrigerators and -85°C freezer located in S7 #01-01, Physics department, NUS.

2. SCOPE



This SOP is applicable to all researchers, graduate students, and personnel on attachment and Lab staff.

3. RESPONSIBILITY

- 3.1 It is the responsibility of the principal investigator (PI) in conjunction with the laboratory supervisor to ensure that all samples are stored properly.
- 3.2 It is the responsibility of the PI in conjunction with the laboratory in-charge to ensure that all research and technical staff are adequately trained and experienced in the procedures of sample storage and use of equipment.

4. PROCEDURES

- 4.1 After tissue samples are obtained, the samples which are in the plastic bottles or bags will be placed into storage boxes and the storage boxes will be stored in the -85°C freezer.
- 4.2 The plastic bottles and bags are labeled as follows:
 - (a) The date when the sample is collected;
 - (b) This nature of the samples.
- 4.3 The storage boxes are labeled as follows:
 - (a) The cover of the storage box and one side of the storage box itself are labeled with labeling tape that sticks well to the storage box or permanent marker to write before the box is introduced into the freezer. The identity of samples and the project/study are indicated on the labels.
- 4.4 Management of sample after analysis
 - (a) After the samples are subjected to cryo-sectioning, the remaining tissue blocks will be put back to the freezer and thin sections are labeled and stored in plastic bottles and kept in the refrigerator (-20 °C compartment) for Nuclear Microscopy experiments. After the experiments, the sections are to be stored in the refrigerator (-20 °C compartment) again.

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(b) When handling the samples in the fridge or freezer, remember not to keep it open for longer than 10 minutes.

5. SAFETY PRECAUTIONS

- 5.1 Proper gloves are to be worn while handling samples.
- 5.2 Wear cryogenic gloves while storing samples in the -85°C freezer.

6 References:

SOP pasted on the -85 °C freezer at S7-01-01.

7 Appendix:

Nil