

SOP 2.7.2 24 Hour Urine Collection

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Version Number 1.0

	Name	Title	Date
Author			
Authoriser			

Effective Date	
Version Number	

Purpose

This SOP describes the procedure for 24 hour urine collection from research participants.

Responsibility

It is the responsibility of the research personnel carrying out this procedure to ensure that all steps are completed both competently and safely.

Equipment

- Personal protective equipment: gloves
- 24 hour sterile urine collection container

Procedure:

1. Research personnel will greet the research participant, identify themselves, and then explain the urine collection procedure to the research participant.
2. The research participant will be approached in a friendly calm manner and their co-operation will be gained prior to urine collection.
3. The research participant will be correctly identified prior to urine collection, by asking them to give their name and date of birth.
4. All sample containers and equipment needed to competently and efficiently carry out the urine collection will be assembled prior to the procedure.

5. The research participant will be asked to empty his/her bladder and discard the first morning urine void.
6. The 24 hour urine collection will commence with the empty bladder and the research participant will note the time of emptying.
7. All urine over the next 24 hours including the last specimen at the same time the next day will be saved and collected in the container provided.
8. Research personnel will ensure that an accurate 24 hour urine collection has been made by the research participant prior to labeling and transport of the specimen to the processing laboratory.
9. Transport tubes to the processing laboratory as soon as is practicable or within a maximum of 24 hours for RNA isolation and 48 hours for DNA and/or protein extraction or for direct storage at -80°C. Tubes should be transported at 4°C in a polystyrene container on ice. Record the time processing was initiated and time of storage in the study specific documentation or data management system.

Note: As a general rule samples should be processed and reach the appropriate storage conditions as soon as is practicable. The maximum time limits proposed are guidelines and should be read in association with a study specific protocol.

Change History

SOP Number	Effective Date	Significant Change	Previous SOP No.