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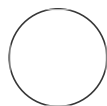
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Protocol status: Working
 We use this protocol and it's working

Human urine procurement and processing

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ABSTRACT

Purpose: This protocol is intended for use in the collection and storage of human urine in a research setting. The protocol details the collection, processing, and long-term storage for downstream analysis alongside other tissues or samples of interest (i.e. follicular fluid, ovary).

GUIDELINES

Researchers will adhere to all safety and training protocols required by the institution (Northwestern Medicine/Northwestern University) including but not limited to:

1. Biosafety Certification
2. Bloodborne Pathogens Certification
3. Collaborative Institutional Training Initiative (CITI program) Certification

MATERIALS

1. Parter Medical Products™ Sterile Specimen Cups (Fisher Scientific, 22-150-265 or equivalent)
2. Corning 5 mL Internal Threaded Polypropylene Cryogenic Vial, Self-Standing with Round Bottom (Fisher Scientific, 09-761-69 or equivalent)



Researchers will wear personal protective equipment when working with human specimens, including gloves, masks, and lab coats.

ETHICS STATEMENT

Human urine procurement and processing will adhere to the approved IRB protocol approved through NU (NU12G09) for collection of biofluids associated with study participants through Northwestern Medicine.

- 1 A urine sample is collected in a standard specimen cup during pre-op from a nurse. Once the urine sample has been collected it is placed immediately on ice following collection. A research coordinator will bring the urine sample to the lab on ice (2-4 °C). Urine samples should be transported in a blue, biohazard labeled cooler bag (Fig. 1A, B).

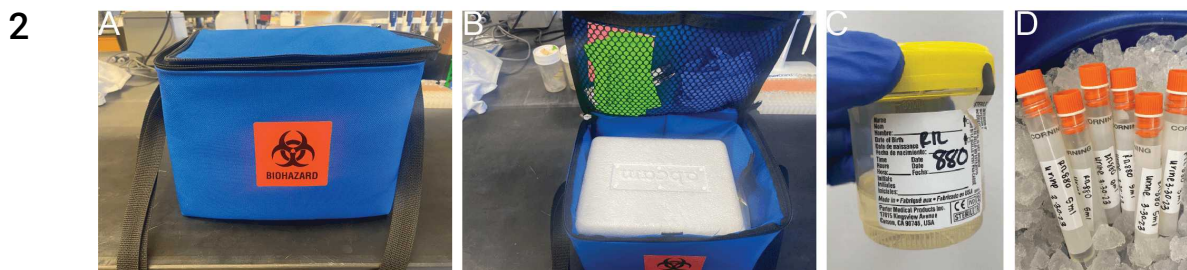


Fig. 1. Urine collection and processing overview. Urine samples are collected and transported to the research coordinator on ice in a blue biohazard labeled cooler bag (A, B). Upon arrival a photo is taken of the urine biospecimen cup (C) the urine sample is then immediately aliquoted into 5ml cryovials (D) and then stored at -80°C until analyzed.

- 3 On arrival the urine sample biospecimen cup is photographed and then aliquoted from the specimen cup (Fig. 1C) into 5 mL cryovials (Fig. 1D) and then stored at -80°C until analysis.