

# IN-OFFICE/NO-LAB IUIs

## Step By Step Instructions

### Semen Collection Options:

- A. At-home collection Options
  1. Patient purchases RSI @home option via QR Code delivered to their home (includes 1mL media and transport protection)
  2. Staff provides ProteX cup and media to take home
- B. Patient collects in the office with ProteX

### Initial Preparation

1. Verify ID match labeled ProteX (use with your witnessing process)
2. Measure the **overall volume** of the specimen with 10mL serological pipette

### Options to Validate Sperm Presence Pre-Sperm Isolation

Ensure sperm exist and estimate approximate TMC of the native sample, if required.

- A. Volume, sperm count, motility - if lab exists.
- B. Buy an inexpensive microscope (not a full lab)
  1. Take a 20µl aliquot of specimen and load chamber slide
  2. Compare visualized sperm on microscope to TMC comparison slides
  3. Confirm presence of sperm and estimate TMC range

### Load the NovoSort for Processing

1. Refer to the chart and determine necessary volume of media for NovoSort
2. Use 5mL serological pipette to draw up determined media volume and deposit into the NovoSort inner section (looks like a basket)
3. Make sure ProteX is placed in a location where it will not be jostled or disturbed during processing.

TOTAL SEMEN VOLUME (mL)	MEDIA ADDED TO NOVOSORT
$1.0 \leq 2.0$ mL	0.75mL
$2.1 \leq 3.0$ mL	1.0mL
$3.1 \leq 4.0$ mL	1.25mL
$4.1 \leq 7.0$ mL	1.5mL

### Insert the NovoSort device into the ProteX cup

1. Uncap the ProteX cup containing ejaculate sample.
2. Insert the media filled NovoSort gently into the ProteX cup
3. Close the lid of the ProteX
4. Set timer for 30 min and wait.

### Options for Post Isolation TMC as required by Clinic protocol (if required)

1. After 30 min, while NovoSort is in the ProteX. Take small sample:
2. Inexpensive microscope (not a full lab)
  - a. Take a 20µl aliquot of specimen and load chamber slide
  - b. Compare visualized sperm on microscope to TMC comparison slides. Confirm presence of sperm and estimate TMC range

**Prepare the Sample for IUI Procedure**

1. Uncap the ProteX
2. Without touching the sides of the NovoSort basket mesh, draw up the desired IUI volume directly into the IUI catheter
3. Proceed with IUI as directed by your clinical protocols

**Clinic Supplies to Purchase:**

- 2 - Serological pipettes
- Chamber slide
- Sperm Wash media
- Transfer pipette
- Catheter
- ProteX and NovoSort purchase
  - a. ProteX/NovoSort 25 count Case and 25 -1mL vials media to be purchased when clinic provides ProteX to patient directly for home collection
  - b. NovoSort only Case – purchased when patient orders an at-home collection
- Other Purchase Options: Sperm Presence validation and estimation of TMC
  - a. Invest in low cost microscope comparing to provided sperm concentration range comparison pictures. Training provided.