



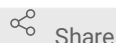
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Post-Surgical Dissection of Fallopian Tubes

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1 Works for me



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ABSTRACT

This protocol describes dissection of the Fallopian tubes in preparation for 10X Visium, 10X Multiomics, pathology review, and biobanking. The Fallopian tubes have an inner mucosa surrounded by a muscular layer that is coated by serosa. When sectioning the Fallopian tube the muscle layer may retract or protrude and distort orientation. This can be addressed by using a stabilizing hand or dissection pins.

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MATERIALS TEXT

- Ice
- Clean cutting surface
- Disposable scalpels
- Kimwipes
- Disposable rulers (with centimeter measurements)
- Ice bucket
- Biohazard bags and container
- [☒ Nuclease-free Water Contributed by users](#)
- [☒ DMEM/F-12 Thermo](#)
- [Fisher Catalog #11320033](#)
- [☒ RPMI 1640 Medium Thermo](#)
- [Fisher Catalog #11875085](#)
- [☒ MACS® Tissue Storage Solution Miltenyi](#)
- [Biotec Catalog #130-100-008](#)
- [☒ DPBS \(10X\), no calcium, no magnesium Thermo Fisher Scientific Catalog #14200075](#)
 - dilute to 1X with nuclease-free water
- [☒ Marking dye Cancer](#)
- [Diagnostics Catalog #03000P](#)

VWR® Pour-Boat Weighing Dishes
flat-bottomed dish

VWR International 10803-166

BEFORE STARTING

Dilute phosphate buffered saline (Gibco; 14200-075) to 1X with nuclease-free water.

- 1 After removing uterus and Fallopian tubes from ice, dry each Fallopian tube and use marking dye to label the superior edge (12 o'clock), inferior edge (6 o'clock), anterior surface (3 o'clock) and

posterior surface (9 o'clock).

- 2 Measure the Fallopian tube from cornua to fimbriated end.



Measurement of Fallopian Tube. Left Fallopian tube is displayed from isthmus (left) to fimbriated end (right). Black line made with marking ink at 3 o'clock and red line made at 6 o'clock where the Fallopian tube attaches to the mesosalpinx.

- 3 Using a disposable scalpel, divide one Fallopian tube at the cornua and excise mesosalpinx.
- 4 Weigh Fallopian tube in a disposable weigh boat on ice.
- 5 Place on ice the uterus with the remaining contralateral Fallopian tube.
- 6 Remove the first Fallopian tube from ice and place on a cutting surface.
- 7 Divide Fallopian tube into four sections: isthmus, ampulla, infundibulum, and fimbriae.
- 8 Working one section at a time, slice tissue into four sections.
- 9 Using disposable weigh boats, weigh each tissue piece.

- 10 Tissue can be processed with protocols [OCT-Embedded Tissue Preparation](#), [Tissue Fixation Preparation](#), or [Snap-Frozen Tissue Preparation](#) depending on the desired downstream processing.
- 11 Remove the uterus with the remaining contralateral Fallopian tube from ice and repeat above steps.