

PROVIDED MATERIALS

- ✓ Styrofoam cooler and shipping box
- ✓ Tube rack with lid in plastic bag
- ✓ Biopsy washing buffer
- ✓ DNA/RNA-free PCR tubes
- ✓ Ice packs

*Ice packs shipped are for biopsy washing buffer preservation. Embryo biopsy samples will be shipped using ice packs or dry ice depending on the location of your clinic.

GENERAL GUIDELINES

- Aim to collect 3-5 intact cells for each trophectoderm biopsy.
- A surgical cap, mask, and sterile gloves should be worn during the loading procedure.
- Sample collection should be done under a stereomicroscope in a laminar flow hood. The warming plate of the microscope stage should be turned off.
- Return each embryo to culture immediately after biopsy
- Pipettes should be changed between samples.
- The use of a witness is highly recommended throughout the entire sample tubing process.

SAMPLE COLLECTION

1. Label PCR tubes (on tube cap and sidewall) with a unique identifier starting with a number, followed by last and first initials of patient (e.g. for Jane Doe's three embryos, "1DJ", "2DJ", "3DJ").
2. Before removing the biopsied sample from the biopsy dish, add 2µl biopsy washing buffer to the bottom of each labeled PCR tube.
3. For each biopsied cell, prepare three, 50µl drops of biopsy washing buffer into a new petri dish.
4. Pre-load 2-3µl biopsy washing buffer into the 150µm stripper tip. Pick-up the biopsy sample from the biopsy dish.
5. Gently wash each sample 2-3 times in each of the 3 drops of biopsy washing buffer.
6. After the final wash, transfer sample in minimum biopsy washing buffer and dispense the sample into the 2µl of biopsy washing buffer at the bottom of the PCR tube.
7. (Optional) Dispense 2-4µl of the biopsy washing buffer from the last wash drops to the blank control tube and label the tube as "B". There should be 1 blank control tube/patient. If performing biopsy on day 5, day 6, and/or day 7 embryos, it is recommended to have one control tube per day.
Inclusion of the control sample allows for troubleshooting should any questions arise regarding the testing result.
8. Place the sample tubes and control tube(s), if any, in the tube rack with lid. Place the rack inside the plastic bag.
9. Once all samples have been collected, secure rack with tape and store rack in provided bag inside a -20°C freezer until shipment.

SAMPLE PACKING AND SHIPPING

1. Place the rack inside the provided shipping box with ice packs or 5lbs of dry ice.
2. Ensure Sample Cell Collection Form (as well as Patient Consent Form, if not already emailed/faxed) are completed in full. Place these forms inside the shipping box directly on top of the Styrofoam box.
3. Ship the package to PacGenomics or arrange shipping through PacGenomics.
4. Contact PacGenomics for the shipment.

Note: If this is a rush case and results are needed next day, please notify PacGenomics via email or phone, preferably with a 24-hour notice. All emails may be sent to office@pacgenomics.com or calls may be made to (818) 597-1938 and you will receive immediate assistance.