

	Title	CODE UK_L_I_002	VERSION 2.0
	Embryo Biopsy_Tubing Validation Instructions	Author (Name): Aylin Mutlu & Roy Pascal Naja	Date of issue: 22/02/2019
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Embryo Biopsy_Tubing Validation Instructions

Introduction

Once an IVF clinic is registered with Igenomix UK and prior to having clinical samples tested at the laboratory, a validation run (also known as a “dummy” or “dry run”) is required for every embryologist that will be performing embryo biopsy and tubing (this “validation run. A validation run is also required for an embryologist who was previously “validated” and returning to practice after a ≥ 6 months pause. A validation run is needed for each type of sample to be tested (only trophectoderm samples are tested currently at Igenomix UK). The quality of the embryos can affect the quality of the results; therefore, it is recommended to use good quality embryos for the validation runs (if available).

Note: For tubing of biopsied samples, please follow the instructions detailed in the “Washing/Tubing Instructions for Biopsied Samples” document.

Requirements for multiple cell/clump biopsies (i.e trophectoderm cells from blastocyst embryos):

- A minimum of 5 biopsied samples (clumps) are required.
- Samples/clumps should contain 5-6 cells.
- Include one blank per sample/clump: After “tubing” the biopsied sample/clump inside the 0.2ml microcentrifuge tube, retrieve from the last drop used for washing ~1-2µl of “washing/tubing” buffer and release in a new 0.2ml microcentrifuge tube designated as blank for that sample/clump.
- Label the lid of the sample/clump with the initials of the embryologist followed by a number in a consecutive manner. Record this on the “embryo biopsy sheet” in addition to the tube’s unique ID number (provided by Igenomix UK and on the side wall of the tube) linked to it.
- “Blanks” to that sample/clamp are labelled the same and adding the letter “B”.
- Include a completed “Embryo Biopsy Worksheet”.