



### Embryo Development Report

**Patient:** Abby Test

**Cycle #1 – IVF March 2025**

**Physician:** Dr. Aimee Eyvazzadeh

#### Summary of Your Results

- 11 oocytes were retrieved and were injected via ICSI using sperm from partner Test Test.
- 6 embryos developed into blastocysts which were biopsied, and cryopreserved.
- The remaining embryos were arrested in development or were discarded due to degeneration or immaturity.

#### Cryopreserved Embryos:

- Embryo 1: Grade 4AA : Expanded Blastocyst
  - Embryo 2: Grade 4AB: Expanded Blastocyst
  - Embryo 3: Grade 4AA : Expanded Blastocyst
  - Embryo 4: Grade 4AB : Expanded Blastocyst
  - Embryo 6: Grade 4BB: Expanded Blastocyst
  - Embryo 10: Grade 4AB: Expanded Blastocyst
- Your embryos are safely frozen while awaiting genetic test results.

#### Your Embryo Development in Detail

Embryo #	Fertilization Check (Day 1)	Day 3 (Early Check)	Day 5 (Blastocyst Stage)	Day 6 (Blastocyst Stage)	Day 7 (Blastocyst Stage)	Outcome
1	2PN (Fertilized)	Compacted	Expanded Blastocyst (4AB)	-	-	Biopsied & Cryopreserved
2	2PN (Fertilized)	Compacted	Full Blastocyst (4AB)	-	-	Biopsied & Cryopreserved
3	2PN (Fertilized)	8 Cell (8C4)	Expanded Blastocyst (4AA)	-	-	Biopsied & Cryopreserved
4	2PN (Fertilized)	8 Cell (8C4)	Expanded Blastocyst (4AB)	-	-	Biopsied & Cryopreserved
5	0PN	1Cell	1Cell	1Cell	1Cell	Discarded



	(Unfertilized)					
6	2PN (Fertilized)	Compacted	Full Blastocyst (4BB)	-	-	Biopsied & Cryopreserved
7	GV → MII	Compacted	Morula	Morula	Arrested	Discarded
8	GV → MII	6 Cell (6C4)	Early Blastocyst	Early Blastocyst	Arrested	Discarded
9	GV → MII	1Cell	1Cell	1Cell	1Cell	Discarded
10	GV → MII	7 Cell (7C3)	Early Blastocyst	Expanded Blastocyst (4AB)	-	Biopsied & Cryopreserved
11	GV → MII	Degenerated	-	-	-	Discarded

### What Do These Grades Mean?

Your embryos were graded based on three key factors:

- Expansion Stage (1–6): Measures how developed the embryo is. A score of 4+ is ideal for implantation.
- Inner Cell Mass (A–C): Reflects fetal development potential. A is the best.
- Trophectoderm (A–C): Reflects potential to form the placenta. A is ideal.

### Additional Cycle Details

- Egg Retrieval Date: Aug 20, 2025
- Total eggs retrieved: 11
  - 6MII (Mature)
  - 5GV
- Fertilization Method: ICSI (Intracytoplasmic Sperm Injection) using sperm from partner Test Test.
- 5GV oocytes were cultured overnight, all of which matured to MII the next day and were injected using the donor sperm. One MII developed into a blastocyst and was cryopreserved after biopsy.

**Semen Sample Analysis (Before ICSI)**

- Volume: 0.3 mL
- Concentration: 32M/mL
- Motility: 67% motile

**Post-Processing Recovery:**

- Concentration: 0.5M/mL
- Motility: 98% motile

**Next Steps**

Your embryos have been sent for genetic testing to assess its chromosomal health.

Once results are available, Dr. Aimee will review the findings with you and discuss the next steps for transfer planning.

Your embryo remains safely frozen until you are ready for transfer.