

Jane Smith's Embryo Report

SUMMARY

You have

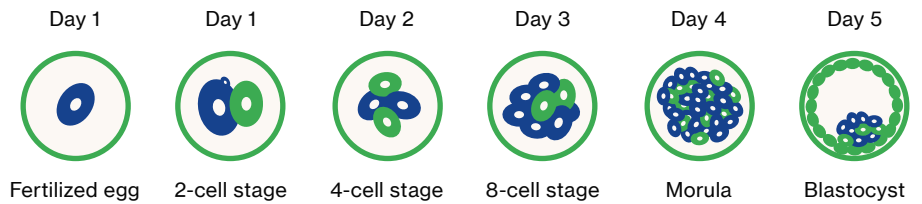
5 embryos

that have developed to the blastocyst stage.

***Remember that attrition at this stage is normal. Not every fertilized egg may have grown to the blastocyst stage.**

WHAT IS A BLASTOCYST EMBRYO?

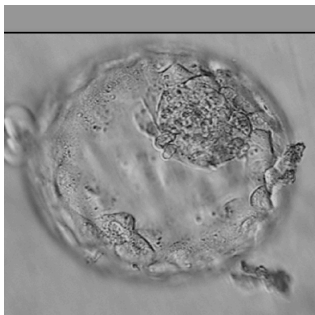
Once your eggs were retrieved and fertilized, the resulting embryos were cultured in the lab until they reached the blastocyst stage.



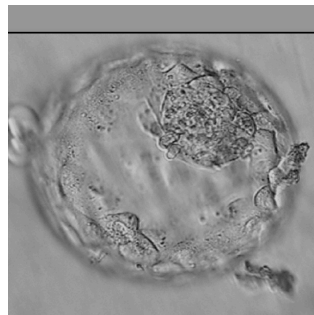
At this stage of development, your embryos are ready to be frozen, biopsied for Preimplantation Genetic Testing (PGT), or transferred to the uterus.

Your embryos

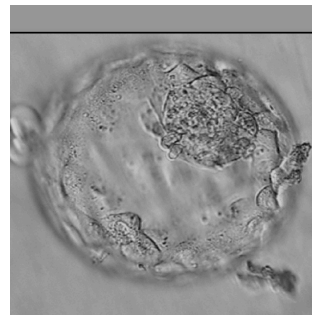
DAY 7 EMBRYOS



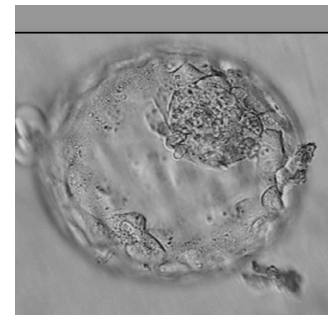
AI score: **0.82**
Lab grade: **3AB**



AI score: **0.74**
Lab grade: **3AB**

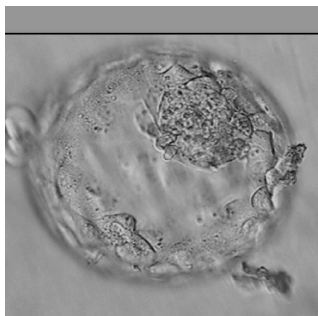


AI score: **0.61**
Lab grade: **3AB**



AI score: **0.55**
Lab grade: **3AB**

DAY 7 EMBRYOS

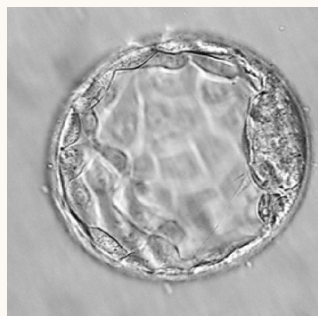


AI score: **0.42**
Lab grade: **3AB**

How to interpret your report

What does the "Day" mean?

DAY 5 EMBRYOS

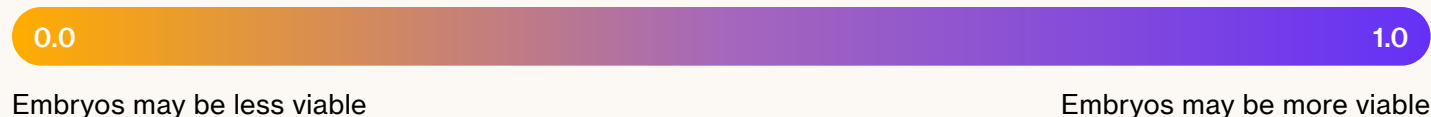


The "Day" on your report refers to the day that an embryo reaches the blastocyst stage of its development.

The day an embryo reaches the blastocyst stage is another important component of embryo grading. Typically, embryos reach this stage on Day 5 or Day 6 after fertilization.

What does the AI score mean?

AI score scale



The AI scores are calculated by an algorithm that's been trained on thousands of embryos. It identifies patterns and similarities between embryos and uses that information to give a personalized score for each of your embryos.

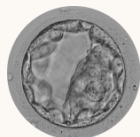
The scores given to each embryo by the AI range from 0 to 1. If the difference in the score between two embryos is greater than 0.1, then the embryo with the higher score may be considered to have a higher viability than the embryo with the lower score.

These scores provide adjunctive information for your clinical team, along with standard grading methods and other relevant clinical factors, to aid in making a transfer decision for your cycle. This technology is used in combination with standard clinical practices, meaning final decisions regarding embryo selection are always made by your physician and embryology team.

What does the "Lab grade" mean?

Embryo grading is a system to help embryologists determine the quality of an embryo. Using this system, embryos are given a grade that describes the morphological appearance of an embryo. At Gynera Fertility, our grading system involves 3 quality scores: **Expansion**, **Inner Cell Mass (ICM)**, **Trophectoderm (TE)**. The grade consists of a number and two letters (Example, 4AA).

Expansion -The first number of the lab grade represents how expanded the embryo cavity is



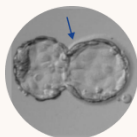
Early Blastocyst (1-2)

A blastocyst in which the cavity fills the embryo and outer shell has not started to thin.



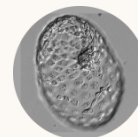
Expanded Blastocyst (3-4)

The blastocyst is expanding, the cavity is larger, and the outer shell thins



Hatching Blastocyst (5)

The embryo has begun to hatch out of outer shell

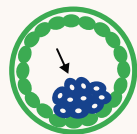


Hatched Blastocyst (6)

The embryo has fully hatched

Inner Cell Mass (ICM) -The first letter represents the 'inner cell mass'

"A" is the best grade and has many tightly packed cells



Inner Cell Mass



Grade A

Many tightly packed cells



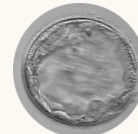
Grade B

Many loosely grouped cells



Grade C

Very few cells

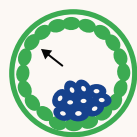


Grade D

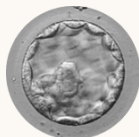
No ICM

Trophectoderm (TE) -The second letter represents the trophectoderm, or outer layer of cells

"A" is the best grade and has lots of cells around the outside of the blastocyst



Trophectoderm



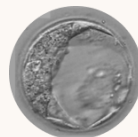
Grade A

Lots of small, similar shaped cells



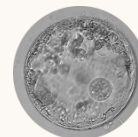
Grade B

Fewer asymmetrical cells



Grade C

Very few cells of even size



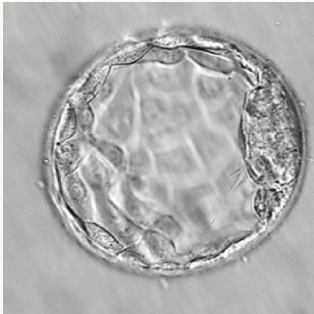
Grade D

A few large cells often creating a large continuous layer

Example of how to interpret AI and embryo grades

Example embryo

DAY 5 EMBRYOS → This embryo reached the blastocyst stage on Day 5



→ Image captured on Day 5

AI score: **0.72** → 0.72 AI score correlates with higher viability based on embryo image, your age, and the age of the embryo (e.g. Day 5)

Lab grade: **4AB** → The embryo grade of 4AB means

- **4:** Expanded blastocyst
- **A:** Inner cell mass is tightly packed
- **B:** The trophectoderm has a medium (fewer than A but more than C) amount of cells

Frequently asked questions

Why does embryo grading matter?

Keep in mind that at Gynera, we only utilize blastocysts that we believe have a chance of creating a baby. Chances of success largely depend on other factors, such as age at retrieval, euploidy status, and day of freeze.

You may be utilizing PGT-A (genetic testing) to determine which embryos are euploid (chromosomally normal) and which are aneuploid (chromosomally abnormal). A euploid embryo will be selected for transfer over an aneuploid embryo, regardless of grade. Furthermore, neither embryo grade nor embryo score predict euploidy.

How important is embryo grading for success rates?

It is important to remember that embryo grading is just one factor that goes into determining your chance of a successful embryo transfer. Your chance of success is also impacted by your age at egg retrieval, the receptivity of your uterine lining, and your hormone levels.

What comes next?

Your next steps may vary based on the decisions you and your clinical team make moving forward.

Here's an overview of what to expect:



If you choose to do **preimplantation genetic testing (PGT)** on your embryo(s), you will typically receive your results within four weeks after biopsy. Your embryos will remain frozen until the time you are ready to use them.



If and when you **decide to proceed with a frozen embryo transfer (FET)**, please contact Gynera. And we will be happy to start the process for you.



If you are **planning to start another cycle** and have not yet been in touch with our team, get in touch with your fertility care coordinator, you may need to call on the first day of your next period to get started.



If you have **already completed a fresh embryo transfer**, your clinical team will tell you when to schedule your pregnancy test.

If you have any additional questions, please don't hesitate to contact us

Lab: Test Lab

Phone: (555)123-4567

Address: 123 Main Street, Suite 100, Test City, ST 12345

Do you like this personalized report?

Take a short survey and tell us what you think. Your feedback is invaluable to us!

[Take the survey →](#)