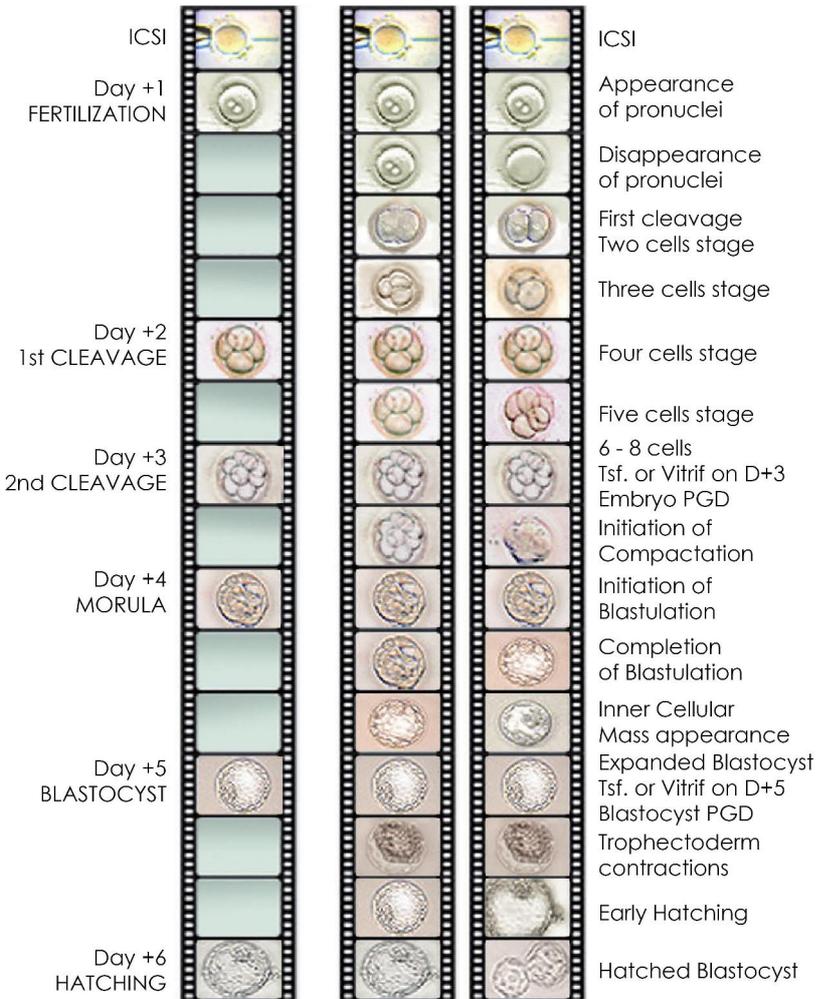


Simulation of embryos with the same initial and final aspect but with different evolution, evaluated by BT - Time-Lapse.

NO TIME-LAPSE TIME-LAPSE ANALYSIS



CREA's i - BT - TL system allows assessment of embryos with better evolution and higher reproductive potential.

 pioneers in reproductive medicine

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CREA i . BT-TL

BENCH TOP -TIME Lapse Incubation

MOST CUTTING-EDGE TECHNOLOGY
OF EMBRYO CULTURE "TIME-LAPSE"
AVAILABLE TO OUR PATIENTS



Bench-Top

Time-Lapse

BETTER CULTURE CONDITIONS

+

BETTER EMBRYO SELECTION

i-BT-TL

HIGHER PREGNANCY RATES

HUMAN EMBRYO CULTURE

In assisted reproduction treatments, embryos are incubated and evaluated periodically to know their evolution and their chances of implantation and correct development. It's fundamental that this incubation is very stable, so that conditions of temperature, humidity, pH, light, etc. of the embryos culture media do not vary.

Crea has been pioneer in the use of "Bench-Top" (BT) incubators that allow to maintain more stable culture's conditions and to improve embryonic development. Moreover, thanks to these incubators it's possible to reduce the percentage of oxygen in the culture media, thus cell oxidation is reduced and conditions are more similar to the natural environment of the embryo.

WHAT IS TIME-LAPSE?

Time-Lapse technology (TL) is the one where incubators have an integrated microscope with a high resolution camera allowing the embryo's monitoring without taking it out of the incubator. It also allows detecting the moment when different changes take place in the embryo, such as the appearance and disappearance of pronuclei or the lapse of time between different cells divisions. All these data can be related to the embryo's quality, implantation rate and evolutionary development.

i-BT-TL: MUCH MORE THAN A PICTURE

Bench Top – Time Lapse (i-BT-TL) incubation combines morphological embryo assessment with the analysis of its evolution analyzed through the state-of-the-art Time-Lapse image capture system. All in a individual incubation of each patient's embryos in one Bench-top incubator.

It's much more than just taking a picture or a video of the embryo. It allows selecting the embryos with higher implantation and development rate. The improvement of Bench-Top incubation, the advance in safety and quality of the image obtained, the development of new culture media and the discovery of a connection between kinetics and embryo implantation, made the embryo's image capture change from being a mere commercial tool to be a more effective and safer system of incubation and embryo selection.

Embryo selection through Bench Top – Time Lapse (i.BT-TL) incubation system improves implantation and development rate.

The most effective and safest incubation system, especially for more sensible embryos.

WHEN IS IT INDICATED?

In theory i-BT-TL, could be beneficial and improve results for every patient, although it's especially indicated in the following cases:

- PREVIOUS IMPLANTATION FAILURE
- WOMEN IN ADVANCED AGE
- POOR QUALITY EMBRYOS
- SEVERE MALE FACTOR
- PRE-IMPLANTATION GENETIC DIAGNOSIS