Genea BIOMEDX

Geri

INTRODUCING GERI®

AWARD-WINNING TIME-LAPSE INCUBATOR WITH INTEGRATED CONTINUOUS EMBRYO MONITORING SYSTEM

Our benchtop incubator - Geri® ensures a homogeneous and controlled gas and temperature environment which can help to improve embryo viability and quality.[1-6]

CONTINUOUSLY HUMIDIFIED INCUBATION:
Geri® has six individual single-patient chambers with humidity independently controlled.[4]

MONITOR INCUBATION CONDITIONS IN REAL TIME:
Individual sensors in each chamber enable monitoring of critical parameters within the incubator.[4]

INTEGRATED EMBRYO MONITORING:
A dedicated high-resolution camera in each chamber provides time-lapse views of each embryo's development.[4]

SAFEGUARD MECHANISMS:
Safety features, redundancies, and alarm functions in ensuring that stable conditions are maintained.[4]

IMPROVED LAB EFFICIENCY:
Geri® is designed as an easy-to-use, compact benchtop incubator with a minimal footprint[4] for easy integration into your lab.

MODULAR SOFTWARE OFFER:
Geri® Connect & Assess software is built on a modular approach to allow integration of new functionalities over time.

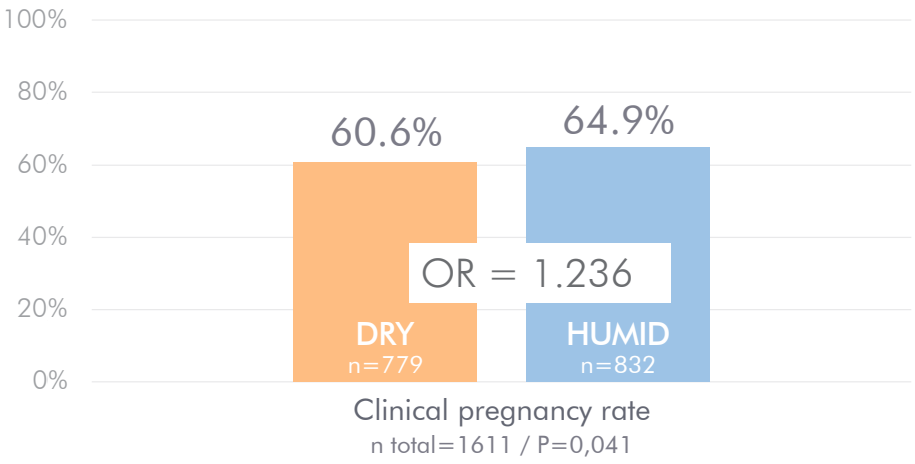
1. Swain, Jason E., et al. "Optimising the culture environment and embryo manipulation to help maintain embryo developmental potential." Fertility and Sterility 105 (3) (2016): 571-587. 2. Zhang, JQ, et al. "Reduction in exposure of human embryos outside the incubator enhances embryo quality and blastulation rate. "Reproductive BioMedicine Online 2010; 20(4): 510–515. 3. Swain, Jason E. "Decisions for the IVF laboratory: comparative analysis of embryo culture incubators." Reroductive BioMedicine Online 28(5) (2014): 535-547. 4. QFRM422 Geri® User Manual. 5. Bontekoe, S., et al. "Low oxygen concentrations for embryo culture in assisted reproductive technologies." Cochrane Database of Systematic Reviews 2012, Issue 7. 6. Kirkegaard, K., et al. "Effect of oxygen concentration on human embryo development evaluated by time-lapse monitoring." Fertility and Sterility 99(3) (2013): CD008950 738-744.

GERI® IS THE ONLY TIME-LAPSE INCUBATOR PROVIDING THE OPTION OF
CHOOSING A DRY OR HUMIDIFIED CULTURE ENVIRONMENT

DRY or HUMID culture: THE IMPORTANCE OF OSMOLAL STABILITY

A study assessing humid and dry time-lapse incubation with a single-step medium showed faster embryo development in humid conditions, which has been previously related to higher competence and implantation potential.

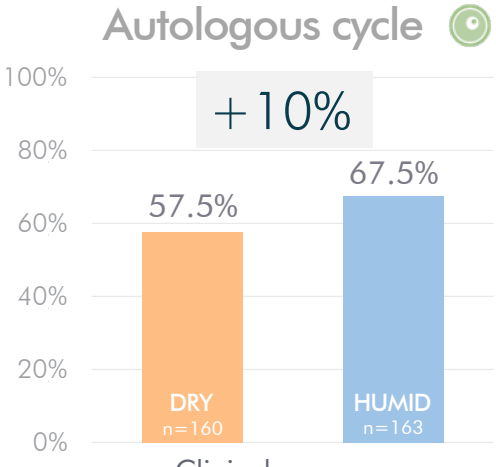
IMPROVED PREGNANCY OUTCOMES WITH HUMID CULTURE



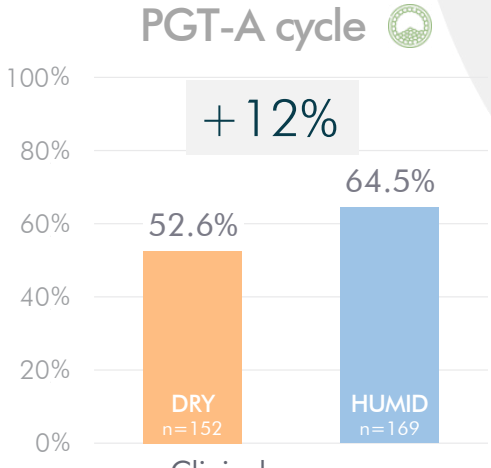
Clinical pregnancy rate
n total=1611 / P=0,041

SPECIFICALLY IN PGT-A

THE POSITIVE EFFECT OF HUMIDITY ESPECIALLY OBSERVED IN PGT-A CYCLES



Clinical pregnancy
n total=323 / P=0,021



Clinical pregnancy
n total=321 / P=0,078

Valera et al (2022) Human Reproduction 37(9):1980–1993