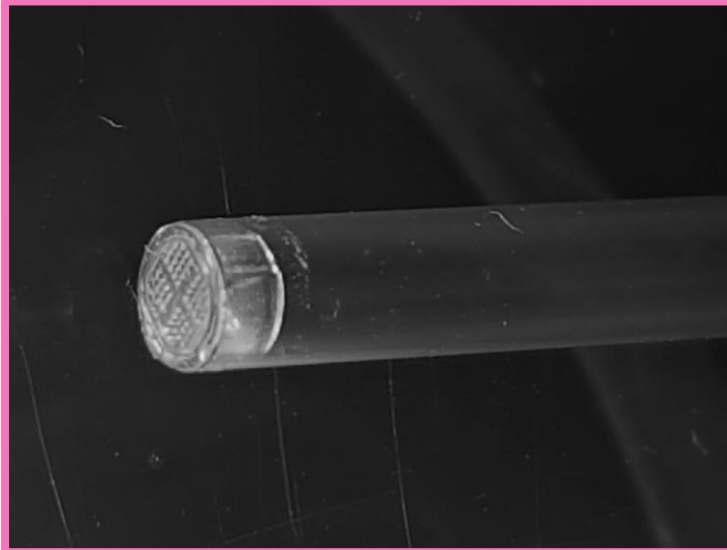


E.Vit



The Efficient Vitrification system

by

fertileSAFE[®]

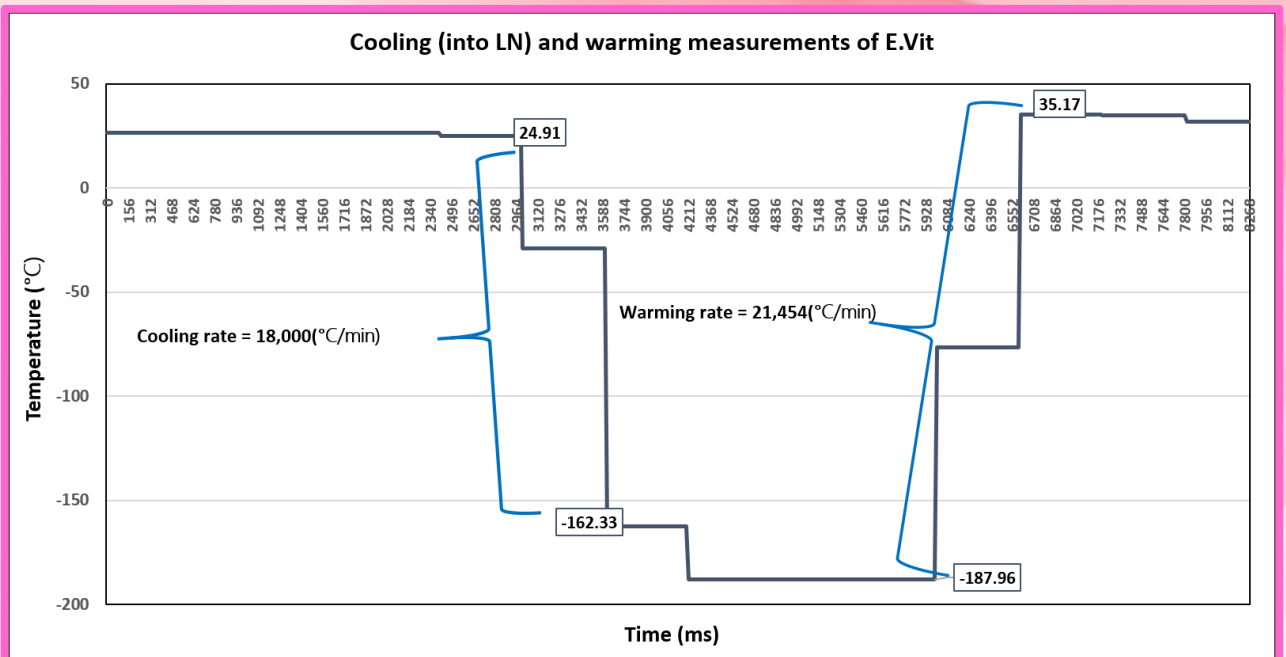
E.Vit Advantages

- ❖ Simple, efficient, standardized & a reproducible vitrification system.
- ❖ Employs CE certified 0.25ml straws.
- ❖ Vitrifies many straws simultaneously.
- ❖ Each straw can be loaded with up to 5 oocytes or embryos.
- ❖ Allows multi-patients vitrification.
- ❖ Time saving vitrification process.
- ❖ Reduces osmotic and mechanical damages.
- ❖ Allows rapid cooling & warming rates (>18,000°C/min).

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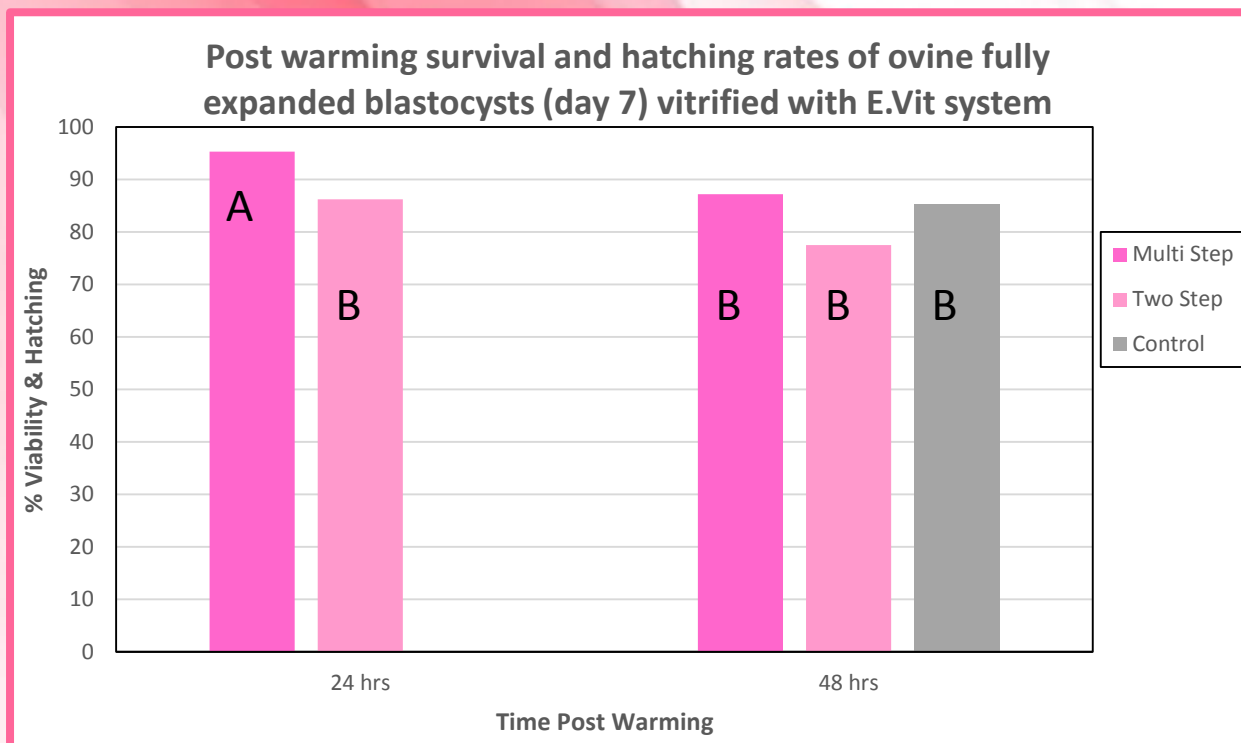
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Cooling / Warming Rates Measurements



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Results of experiments performed on fully expanded ovine blastocysts (n=168) that were Vitrified Using the E.Vit system in two ways:
(1) Multi step vitrification, in which the embryos were exposed in a step wise manner to 8 vitrification solutions prior plunging to LN or
(2) Two Step vitrification in which the embryos were exposed only to 2 solutions prior plunging to LN. Non vitrified embryos were maintained in in-vitro culture as a control group (n=102).



The results show that the multi step process is better than the two step process 24 hrs post warming ($p < 0.05$).

However, there were no statistical differences in hatching rates between E.vit vitrified embryos (multi step & two step) to the fresh control embryos.

* This study will be presented at the IETS meeting 2018

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