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Automated vitrification device

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Gavi

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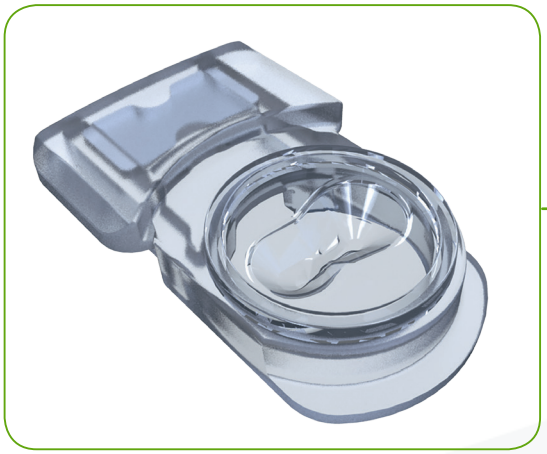
Gavi

Automated vitrification procedure

The manual vitrification process currently being performed is labor-intensive and highly time-consuming, so it requires a long time of training and effort to become proficient.
Gavi® is a cutting-edge innovative product developed to improve the work procedure for all users.



Gavi®, which has been completed after 4 years of intensive development process, provides a completely new measure for the vitrification process. The core of the automated vitrification process of Gavi® is the streamlined Pod, which carries out the freezing process and also serves as the container (cryo device) for storing the embryos in a liquid nitrogen gas environment.

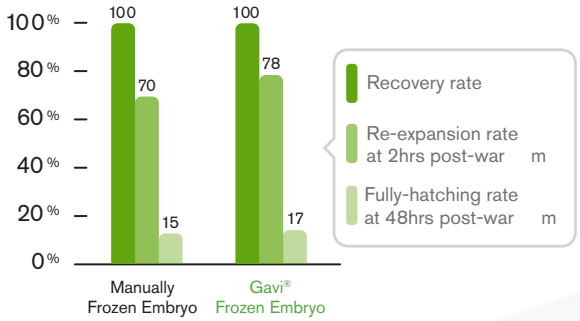
Advantages [1, 2]

- Automated vitrification
- Saves work time
- Improvement and standardization of reliability
- Cost-effective

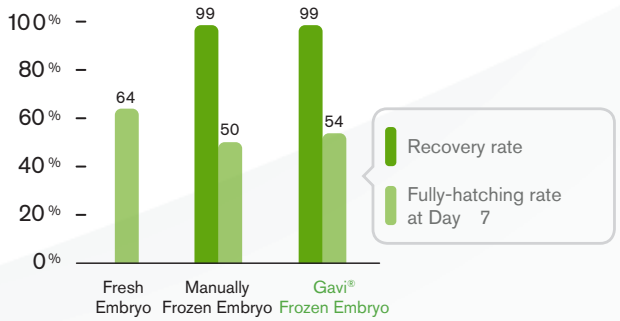
Provides results with consistent quality

Gavi® was developed in line with the automated standard protocol, and it was developed to ensure that the vitrification process is always carried out in the same way after conducting a large-scale test using 8,000 mouse embryos. Gavi® achieved similar level of results as the manual procedure in a development test targeted at blastocyst stage embryos of the mouse.[3]

Survival rate of human blastocyst (for research) after the vitrification



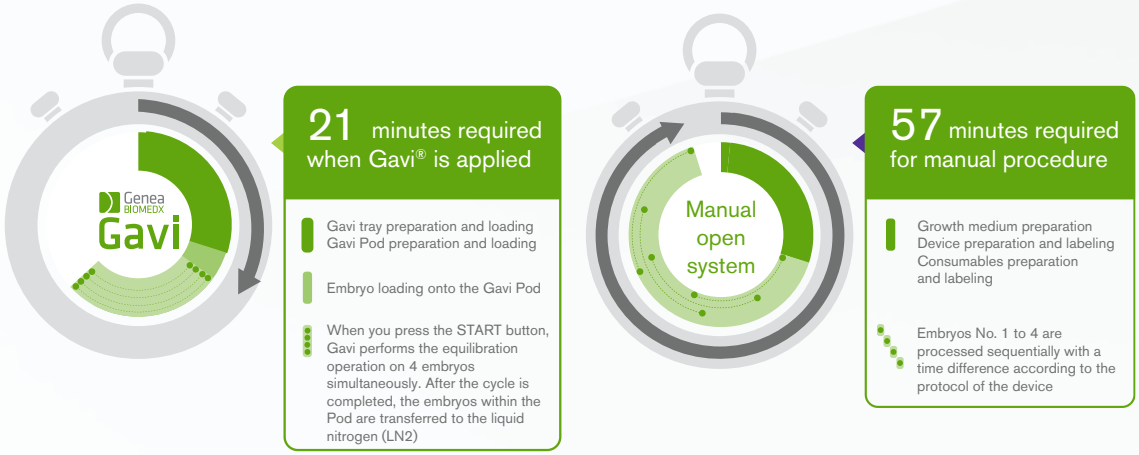
Survival rate of mouse blastocyst after the vitrification



Reduces the work time in labs

Gavi® reduces the time spent for the manually-performed vitrification process at fertility centers and provides extra time to focus on other important tasks. Gavi® provides more consistent work results compared to the manual procedure.[3]

Researcher's estimated time required*[3]



1. REF-22302: Clinical outcomes of blastocysts vitrified-warmed using a new semi-automated vitrification system ar
2. REF-19921: Introduction of a Semi-Automated Vitrification System Reduces Variability Between Embryologists and D
3. Roy TK et al. Embryo vitrification using a novel semi-automated closed system yields in vitro outcomes equivalent to the manual Cryotop method. Human Reproduction. 2014; 29(11):2431-2438.

* The standard for internal estimates on the vitrification of 4 blastocysts stage embryos

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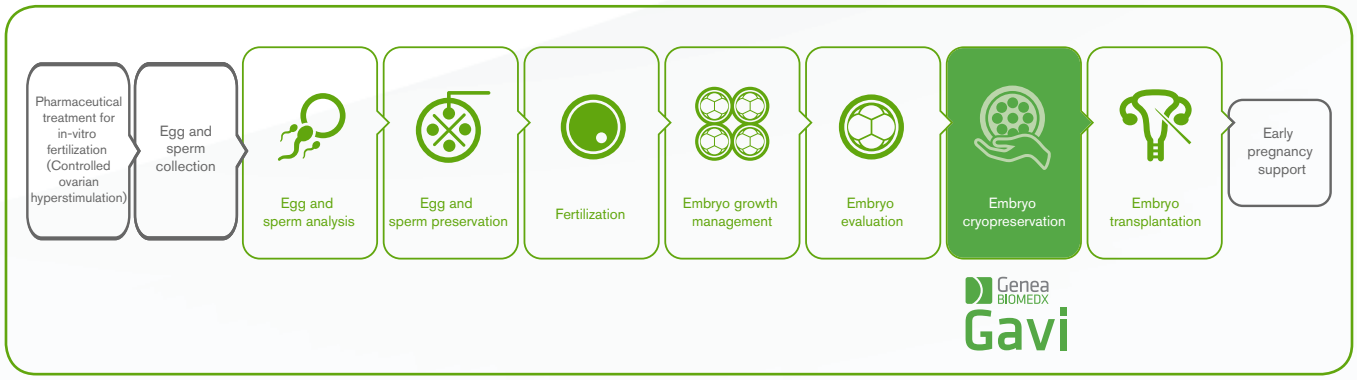
Provides consistent results through a standardized procedure



For exclusive use by health professionals. Please refer to the user manual.
For detailed information, please contact a service representative for inquires or visit the following website.
www.geneabiomedx.com

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