

Gavi

AUTOMATED VITRIFICATION SYSTEM



SCIENTIFIC VALIDATION:

Genea labs data (2015–2017) showed reduced variability in embryologist performance using Gavi® versus Cryotop® (2009–2010).



USER-FRIENDLY AND RELIABLE:

Simple process: load the oocyte or embryo, press “start,” wait, and submerge in liquid nitrogen.



TIME AND EFFICIENCY OPTIMIZATION:

Requires only basic embryo handling skills and reduces hands-on time by automating the vitrification of up to four blastocysts at once.



CLOSED AND SECURE SYSTEM:

Fully closed system, uses heat sealed pods and single use consumables to prevent direct liquid nitrogen contact.



PROVEN RESULTS:

Preclinical mouse embryo studies showed 100% recovery and 98.2% survival rates. Clinical pregnancy rates increased a 5.3% compared to manual vitrification.



ADVANCED CRYOPRESERVATION TECHNOLOGY

Optimized cooling ($-11,424^{\circ}\text{C}/\text{min}$) and warming ($8,636^{\circ}\text{C}/\text{min}$) rates

Ultra thin $70\mu\text{m}$ Gavi Pod walls enhance cell viability and post-warming survival

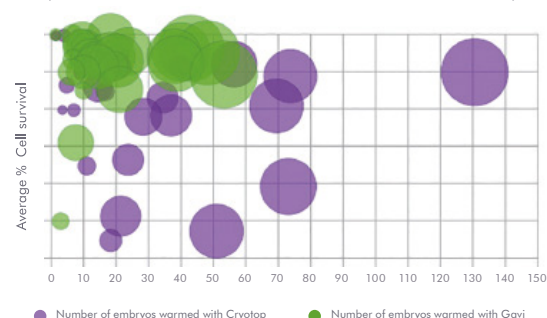
GREATER CONSISTENCY OF RESULTS COMPARED TO MANUAL METHODS

Analysis from Genea labs shows Gavi® reduced variability in blastocyst survival among embryologists, regardless of experience.

Gavi® requires less training and technical skill than manual vitrification

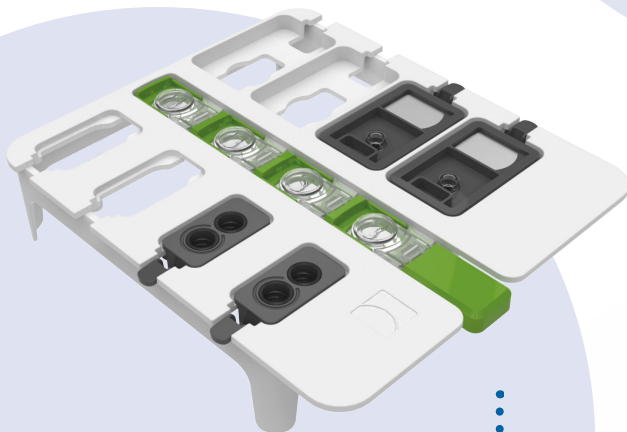
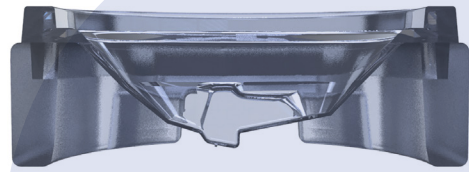
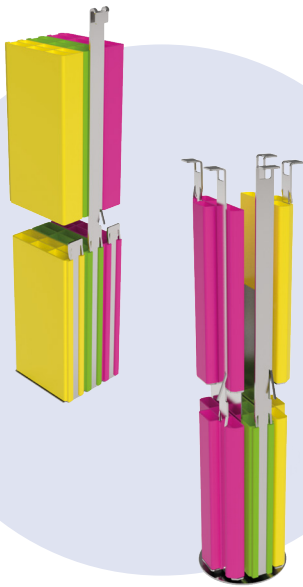
The included graph shows higher embryo survival rates with Gavi® regardless of the embryologist's prior experience.

RECOVERED EMBRYO SURVIVAL BY EMBRYOLOGIST PERFORMING VITRIFICATION - GAVI® VS CRYOTOP®
(ADAPTED FROM TUMURBAATAR. ET AL, ESHRE 2017*)



* Experience level was calculated using the embryo freeze order per scientist on that device. For example, if a scientist had frozen 10 embryos, three of which were warmed being the second, third and seventh frozen, then the average device experience level for this scientist = $(2 + 3 + 7)/3 = 4$.

THE Gavi® FAMILY C ACCESSORIES



Gavi® Cassette:

Holds up to four Pods at once, allowing you to vitrify four blastocysts or 8 oocyte/cleavage stage embryos

Discover more about Gavi's Family

