



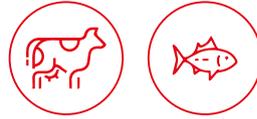
Digitcool^α

CONTROLLED RATE CRYOGENIC FREEZER

Precise And Uniform Straw Freezing



IMV TECHNOLOGIES. FOR LIFE.



We listen to your needs

Freezing animal semen stored in straws while preserving the spermatozoa viability and motility is an every day challenge.

Therefore, it's important to choose a high-performance equipment that has been designed for the demanding standards of the laboratory environment.

The Digitcool alpha is a uniform and stable cryogenic straw freezer that preserves the semen quality. Designed with user comfort in mind, it simplifies operations and comes equipped with a range of standard or additional features such as user-friendly interface, high-efficiency insulation of the lid to minimize temperature losses, audible or visual alarms, safety back-up systems in the event of a power failure.

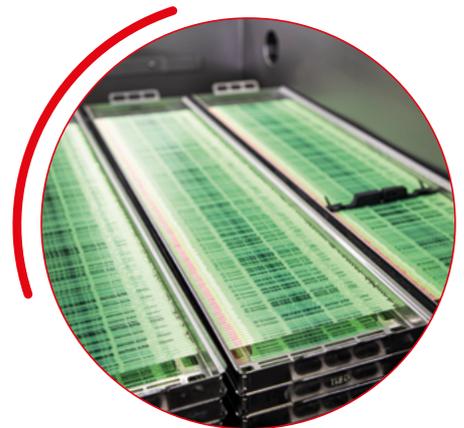


Freezing uniformity

Freezing uniformity is a multifactorial process. The Digitcool Alpha has improved on the **best available technology**.

Consistent nitrogen flow within the chamber.

The characteristic "chimney effect" is improved through the reorganization of the internal chamber and design of the new straw racks.



Racks designed to support freezing uniformity

Homogeneous distribution of nitrogen vapor

Carefully selected fan hardware and fan blade design result in higher speed and finer speed control.

High insulation capacity

through meticulous gasket and freezer lid design.

Reduced energy (thermal) loss

or exchange with the environment. Exclusive material and design reduce the "thermal bridge".





User and semen safety

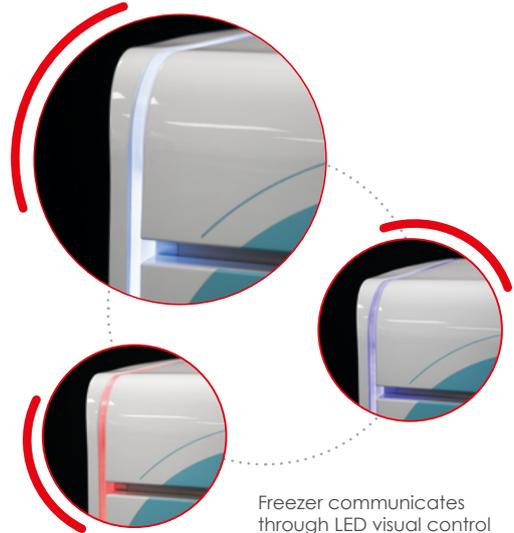
Safety – of product, data, and user – are at the heart of the design of the Digitcool Alpha. IMV Technologies pulled out all the stops to ensure **safety in production**:

User defined rubbery state threshold

to prevent product damage (audible and visual warnings).

User and semen safety are integrated into the design

of freezer and accessories. Prevent user interaction with the freezer from resulting in injury or discomfort. Reduce direct contact between finished product and user without sacrificing usability.



Freezer communicates through LED visual control

Built-in contingency aids

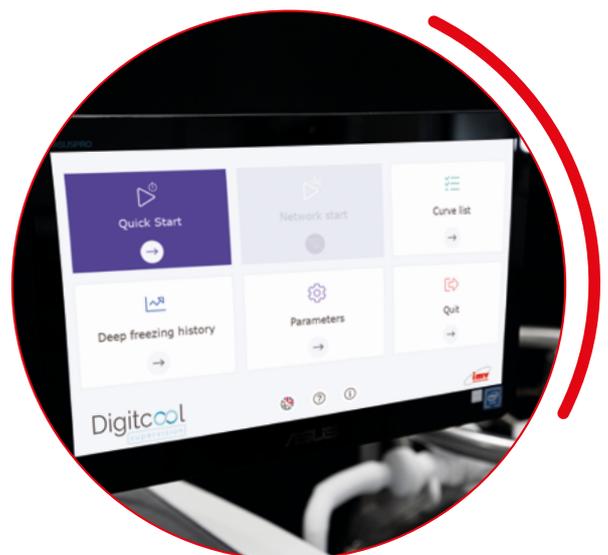
reduce down-time. Yes, solenoid valves have a lifespan. The Digitcool Alpha predicts the maximum number of valve activations and warns the user before this event puts the equipment out of use.

Freezing data will not be unintentionally lost

to an erroneous keystroke. Auto save function features ensure traceability of data is never broken.

Freezing cycles will not stop inadvertently

while in progress. An on-board battery (in option) backup will ensure every cycle that starts controlled, ends the same way.





Operations made easy

Smart design and interactivity are the basis of Digitcool Alpha. Decades of observation and experience are translated into features that ensure ease of use:

Optimized accessories to improve user experience



Cup holder

Convenient straw racks and distribution block

with semi-automatic alignment system and straw counting grid

Ease of straw collection

thanks to patented straw collector and batch separator

Equipment communicates its status

and troubleshoots itself, through LED lighting self-diagnostic messages.



Patented straw collector and batch separators



Distribution block with semi-automatic alignment

Foot-pedal to

automatically open the chamber's lid

Intuitive software

to guide the user through the cryogenic freezing process

All-in-one design

with screen and control box on-board

“

Testimonial

Due to homogeneous cooling, we notice a perfect freezing of every dose. Also, the system brings time saving and improved security for the user.”

René Koch
Lab manager, Ki Kampen

Digitcool^α

Cryopreservation, the key step for semen processing

To meet the challenges of today's semen laboratory, IMV Technologies has developed the Digitcool Alpha, a **controlled rate cryogenic freezer**. Adding several users, product and data safety features to IMV Technologies' proven liquid nitrogen circulation system results in a safer, smarter, and ultimately better controlled rate freezer.



TECHNICAL SPECIFICATIONS

Capacity, mini straws:

> 5 250

Dimensions (L × W × H) mm:

> 1543 x 819 x 1087

Voltage:

> 230V - 50Hz

> 208V - 60Hz

Capacity, medium straws

> 3 000

Weight (kg)

> 350

Recommended nitrogen pressure

> constant supply: 2.5 bars +/- 0.3

References

Digitcool Alpha

Straw freezer 029126

Distribution block

175 mini straws 029131

100 medium straws 029132

Freezing racks

175 mini straws 028483

100 medium straws 028482

Straw collector kit with 10 batch separators

Mini 029136

Medium 029135

Pack of 20 batch separators

Mini 029133

Medium 029137

Starter pack including:

30 racks, 1 distribution block, 1 collector, 30 batch separators, 1 funnel

Mini 029134

Medium 029138

Optional

- Uninterruptable Power Supply Battery back-up System





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Robert Cassou
Bovine straw inventor

IMV Technologies representative offices

IMV Technologies subsidiaries

IMV Technologies distributors



France HQ

IMV Technologies
ZI n°1 Est
61300 L'Aigle

+33 2 33 34 64 64
contact@imv-technologies.com
www.imv-technologies.com

North America

IMV technologies USA
9501 Louisiana Ave N, Suite 300
Brooklyn Park, MN 55445

+1 763 488 1881
contact@imvusa.com
www.imv-technologies.com

Brazil

IMV Technologies Brazil
R. Vitoriano dos Anjos, 1081
13041-317 Campinas-SP

+55 (19) 2513-3444
contato@imvbrasil.com.br
www.imv-technologies.com

China

IMV Technologies China
Room 510, Building 1,
NO.800, Naxian Road,
Pudong District, Shanghai,
201203 China

+86 21 50586918 or 50586948
www.imvchina.com
contact@imvchina.com

India

IMV Technologies India
(IMV India Pvt. Ltd.)
Plot No 750 Phase V, Udyog Vihar
Girgaon 122016 (Haryana)

+91 124 4770707
www.imvindia.com
contact@imvindia.com

The Netherlands

Nifa Technologies
Pallasweg 22
8938 AS Leeuwarden

+31 58 2123279
www.nifa.nl
info@nifa.nl



www.imv-technologies.com