

CultureCoin®

for MIRI® TL

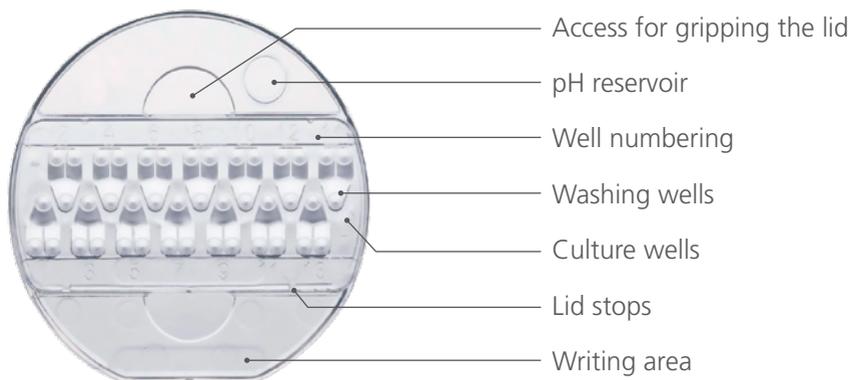


The Esco Medical CultureCoin® is a sterile, single use, culture vessel specifically developed for use in IVF. The dish holds up to 14 embryos in the centrally placed line of culture wells. The culture well features a 300µ, optically clear area where the embryo is situated and is an area optimized for microscopy. The culture wells are numbered (1-14) for easy location of each well by the user. Each culture well has two washing wells for cell manipulations, washing media or replacement media.



The lid is mounted inside the circumference of the dish covering the culture area completely – the user will only grab the dish during handling and not risk losing the dish by holding on to the lid only – as can be the case on all traditionally designed dishes. A large well is provided outside the culture area for pH measuring without affecting the cultured samples. The dish has a flat bottom so it is ideal for heat transfer from below.

Parts of the CultureCoin®



pH measuring

Validating the pH of the culture media should be a standard procedure. The CultureCoin® is equipped with a reservoir that is located outside the culturing area. This makes it possible to safely and conveniently make spot checks on the pH level. A micro probe that can measure in a droplet can also be supplied.

CultureCoin® Specifications

Technical specifications	CultureCoin®
Overall dimensions (Diameter x Height)	Ø 71 x 10 mm
Weight empty	0.5 gram
Material	Styrolution PS 158 N
Temperature range	25 – 40 oC
CO ₂ range	1.9 – 10%
O ₂ range	20 – 4.9%
Sterilization method	Gamma beam
Lifetime	1 year
Toxicity tested	Embryo toxicity tested with thawed 1 cell mouse embryos. Expanded Blastocyst rate after 96 hours > 80 % (n=150)0.6 bar (8.70 PSI)



Esco Medical Products

MIRI® TL6 Time-Lapse Incubator
 MIRI® TL12 Time-Lapse Incubator
 MIRI® Multiroom Incubator
 MIRI® II Multiroom Incubator
 Mini MIRI® Incubator
 Esco Multi-Zone ART Workstation

Esco Multi-Zone ART Workstation Class II
 Semi-Closed Environment IVF
 CelCulture® CO₂ Incubator
 MIRI® GA (Gas and Temperature Validation Unit)
 Anti-Vibration Table (AVT)
 CultureCoin®

Infertility is a problem that has a significant social, psychological, and economic impact on afflicted individuals and couples. It is a global concern that knows no race or creed. It has been estimated that 1 in 6 couples struggle with infertility at least once in their lifetime.

Esco Medical is one of the divisions of the Esco Group of Companies. We provide innovative technological solutions for fertility clinics and laboratories. We aim to become the leading manufacturer of high-quality equipment such as long-term embryo incubators, ART workstations, anti-vibration tables, and time-lapse incubators.

Our products are designed with the Silent Embryo Hypothesis as a guiding principle. The Silent Embryo Hypothesis states that the less disturbed an embryo can remain, the better its developmental potential will be. Most of our products are designed in Denmark and made in the EU. Our primary focus is to increase pregnancy success rates and patient satisfaction.



21 Changi South Street 1 • Singapore 486 777
 Tel +65 6542 0833 • Fax +65 6542 6920
 medical@escoglobal.com • www.esco-medical.com



Designed in Denmark



Made in the E.U.