

The G-Series



G-TL

The first culture medium specifically designed for time-lapse.

A new approach

Time-lapse culture removes time limits and stresses from embryos during assessment while adding power to classic morphology. G-TL™ is a new medium in the G-Series™ designed to optimise the use of time-lapse technology, allowing truly undisturbed time-lapse culture.

Balancing stresses

In a sequential culture system, metabolic stress is minimised by providing the nutrients required at the different developmental stages, but changing the medium can result in handling stress. Time-lapse monitoring using specialised culture media minimises handling stress but the medium composition has to be developed to reduce metabolic stress.

G-TL provides uninterrupted culture conditions in a supportive culture environment to maximise embryo viability. The balanced mix of amino acids in G-TL is based on new knowledge about embryo metabolism and consumption of media constituents¹. G-TL is designed to reduce ammonium load from breakdown products, while providing a sufficient supply of amino acids for development. G-TL is supplemented with human serum albumin, HSA, and is ready to use.

G-TL has been shown to give high results when compared to sequential culture systems as well as monophasic culture systems.

G-Series - confidence at each step

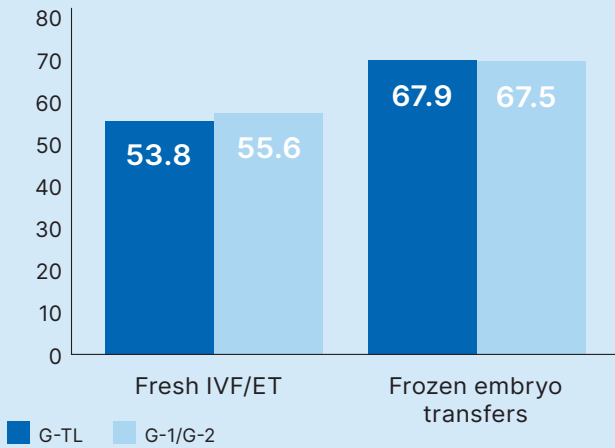
Each product in the G-Series is developed to resemble conditions in the female reproductive tract and fulfil embryo requirements.

REF: 1. Wale and Gardner. Biology of Reproduction 2012;87(1):24, 1-8.



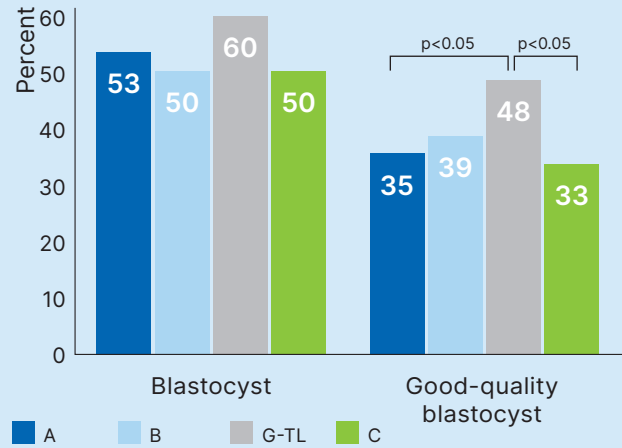
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G-TL supports high pregnancy rates for fresh and frozen transfers



REF: D Johnson et al. Successful Laboratory Transition to a New Single-Stage Time-Lapse Medium (G-TL™) for All Embryo Culture Fertility and Sterility 02/2015; 103(2)

G-TL supports high blastocyst development rates



A vs B vs GTL vs C.
 N=439(A) vs 140(B) vs 153(GTL) vs 159(C).
 16 well-WOWdish/drop volume: 100µl – Max 16 embryos.
 REF: P-132, Clinic Mam, JSFI, 2015

Product specification G-TL

REF	10145	
Content	1 × 30 mL	
Intended purpose	Medium for culture of embryos from fertilisation to the blastocyst stage. Caution: Federal (US) law restricts this device to sale by or on the order of a physician or practitioner trained in its use.	
Description	Bicarbonate buffered medium containing hyaluronan and human serum albumin.	
Application	For use after pre-equilibration at +37°C and 6 % CO ₂	
Storage	Store dark at +2 to +8°C	
Raw material	All raw material are tested and evaluated by stringent quality control procedures.	
Composition	Alanine, Alanyl-glutamine, Arginine, Asparagine, Aspartate, Calcium chloride, Calcium pantothenate, Cystine, EDTA, Gentamicin, Glucose, Glutamate, Glycine, Histidine, Human serum albumin*, Hyaluronan, Isoleucine, Leucine, Lysine, Magnesium sulphate, Methionine, Phenylalanine, Potassium chloride, Proline, Pyridoxine, Riboflavin, Serine, Sodium bicarbonate, Sodium chloride, Sodium citrate, Sodium dihydrogen phosphate, Sodium hydroxide, Sodium lactate, Sodium pyruvate, Taurine, Thiamine, Threonine, Tryptophan, Tyrosine, Valine, Water for injection (WFI). *Pharmaceutical infusion-grade for medical use, free from HBV, HCV and HIV.	
Product properties	pH (at +37°C and 6 % CO ₂ atmosphere)	7.30±0.10
	Osmolality [mOsm/kg]	270±5
	Sterility	No evidence of microbial growth
	Bacterial endotoxins (LAL-assay) [IU or EU/mL]	<0.25
	Mouse embryo assay (1-cell) [% expanded blastocyst within 96h]	≥ 80
	Mouse embryo assay (1-cell) [blastocyst cell number within 96h]	No statistical difference