IVF

PRODUCT CATALOGUE

HTF Medium



- For gamete washing, insemination, and early embryo culture (Day 1–3).
- Suitable for use inside the incubator.
- Available in formulations with or without phenol red and serum supplementation.
- Provides stable pH with minimal change after equilibration.
- 500mL bottle offers a more economical option for routine use.

HTF Medium

REF	Code	HSA	Contents
93411	HTF-100	-	100mL
93441	HTFS-100	○	
93416	HTF-500	-	500mL
93445	HTFS-500	○	

HTF Medium with Phenol Red

REF	Code	HSA	Contents
93412	HTFR-100	-	100mL
93442	HTFRS-100	○	
93415	HTFR-500	-	500mL
93446	HTFRS-500	○	

COMPONENTS

Calcium Chloride, Gentamicin, Glucose, Magnesium Sulfate, Potassium Chloride, Potassium Phosphate, Sodium Bicarbonate, Sodium Chloride, Sodium Lactate, Sodium Pyruvate
"R" in the code : Phenol Red
"S" in the code : Human Serum Albumin

QUALITY CONTROL

pH 7.2-7.6
Osmolarity 270-295mmol/kg
Endotoxin<0.25EU/mL
Sterility test
Mouse Embryo Assay ≥80%
Storage 2-8°C
Shelf Life 4 months

Specifications are subject to change without prior notice for product improvement.

Kitazato Corporation

HEADQUARTERS : 100-10 Yanagishima, Fuji, Shizuoka 416-0932 JAPAN
TOKYO : 1-1-8 Shibadaimon, Minato-ku, Tokyo 105-0012 JAPAN
Mail contact@kitazato.co.jp

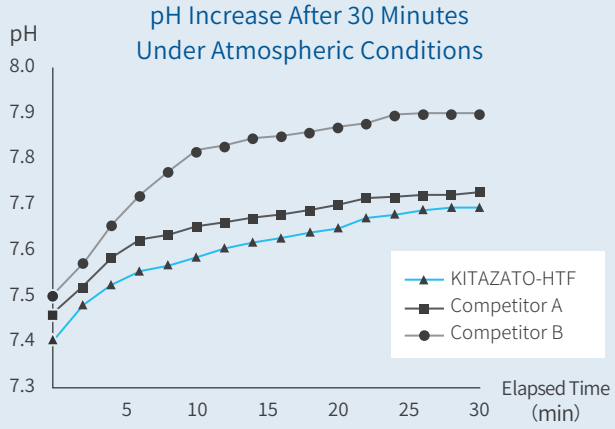
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RESEARCH DATA

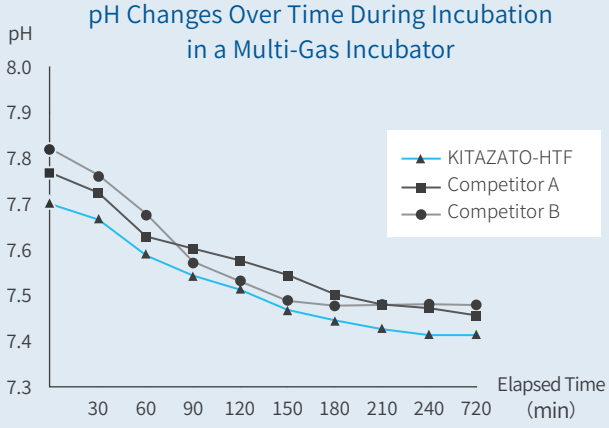
Provides stable pH maintenance

Maintaining a stable pH of the culture medium is essential for oocytes and embryos.
Kitazato HTF Medium minimizes pH elevation when exposed to atmospheric conditions and rapidly restores pH 7.4 when returned to a multi-gas incubator.

pH Increase After 30 Minutes Under Atmospheric Conditions



pH Changes Over Time During Incubation in a Multi-Gas Incubator

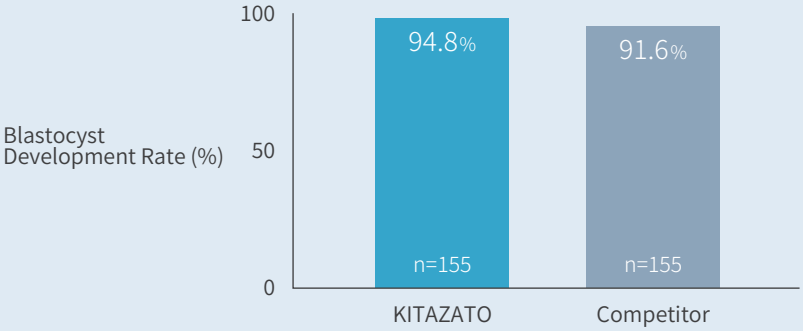


In-house Measurements

Good blastocyst development rate

Two-cell stage mouse embryos (strain: ICR) were cultured for 72 hours,
and the blastocyst development rate was evaluated. A blastocyst development rate of 94.8% was achieved, demonstrating comparable performance to the competitor's product.

Mouse Embryo Culture Results



Data provided by: Kato Ladies Clinic, R&D Department

RELATED PRODUCTS



m-HTF Medium

REF	Code	Contents
93421	HTFM-100	100mL
93426	HTFMR-500	500mL