



Sperm Processing

GM501 Collagenase

GM501 Collagenase is a reagent for the digestion of human testicular tissue obtained by testicular biopsy (TESE) for in-vitro examination procedures. Using Collagenase, it is possible to degrade testicular tissue in single cells to facilitate the isolation of sperm cells.

- **Ready-to-use**
- **HEPES buffered**
- **Digestion of human testicular tissue obtained by biopsy**
- **Facilitates isolation of sperm cells from TESE digestion**
- **Contains 1000 CDU/ml (Collagen Digestive Units)**
- **Contains Human Serum Albumin (5.00 g/litre)**
- **CE marked class IIb (0482)**



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Composition

- NaCl, KCl, KH₂PO₄, MgSO₄, CaCl₂
- Bicarbonate, HEPES, EDTA
- Glucose, Lactate, Pyruvate
- Non-essential and essential Amino Acids, Alanyl-Glutamine
- Human Serum Albumin, Gentamicin, Phenolred
- Collagenase (obtained from culture filtrates of Clostridium histolyticum)

Tested specifications

- pH
- Osmolality
- Sterility
- Sperm Survival Test

Performing LAL-endotoxin- and MEA-tests is not possible with this medium as the activity of the Collagenase inactivates the enzymes (LAL) and damages the mouse embryos (MEA), which are used for these assays, respectively. The basic medium is LAL- and MEA-tested.

Can be used in combination with

- GM501 SpermAir
- GM501 SpermActive

Instructions for use

Do not equilibrate GM501 Collagenase in a CO₂- incubator, just warm it up to 37 °C. GM501 Collagenase is HEPES buffered. Incubation in a CO₂- incubator will lower the pH.

Recommended application

For further information, please see our IVF Media Recommended Usage Guide.

References

- Wöber M., Ebner T., Steiner S. L., Strohmer H., Opelt P., Plas E., Obruca A. (2015) : A new method to process testicular sperm: combining enzymatic digestion, accumulation of spermatozoa, and stimulation of motility. Arch Gynecol Obstet 291:689-694

Order code	Size	Storage	Shelf life*
FGY4COLL-AIR	1 x 3 ml	2 - 8 °C	9 months

* from time of manufacture

Gi110/V3

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