



In Vitro Diagnostics

GM501 SpermMobil

GM501 SpermMobil is a HEPES buffered HSA free reagent containing low bicarbonate. It is used for in vitro examination of sperm cells of necrozoospermic ejaculates as well as of immotile sperms isolated from testicular tissue (TESE).

- HEPES and bicarbonate buffered
- Dilute 1:20 with sperm processing medium
- For in vitro examination of necrozoospermic ejaculates and immotile spermatozoa isolated from testicular tissue
- Contains Theophylline
- CE marked IVD



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Composition

- NaCl, KCl, KH₂PO₄, MgSO₄, CaCl₂
- Bicarbonate, HEPES, EDTA
- Glucose, Lactate, Pyruvate
- Non-essential and essential Amino Acids, Alanyl-Glutamine
- Theophylline, Phenolred

Tested specifications

- pH
- Osmolality
- Sterility
- Endotoxins
- Sperm Survival Test

Can be used in combination with

- GM501 SpermAir
- GM501 SpermActive

Instructions for use

Do not equilibrate GM501 SpermMobil in a CO₂-incubator, just warm it up to 37 °C. GM501 Sperm-Mobil 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., Oppelt 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
- Ebner T., Shebl O., Mayer RB., Moser M., Costamoling W., Oppelt P. (2014): Healthy live birth using theophylline in a case of retrograde ejaculation and absolute asthenozoospermia. Fertil Steril 101:240-343
- Ebner T., Tews G., Mayer RB., Ziehr S., Arzt W., Costamoling W., Shebl O. (2011): Pharmacological stimulation of sperm motility in frozen and thawed testicular sperm using the dimethylxanthine theophylline. Fertil Steril 96: 1331-1336

Order codes	Size	Storage	Shelf life*
FGY4GM501 SMOBIL5	1 x 5 ml	2 - 8 °C	6 months
FGY4GM501 SMOBIL5-S	1 x 1 ml	2 - 8 °C	6 months

* from time of manufacture

Gi114/V3

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