



Sperm Processing

GM501 Gradient

GM501 Gradient is an isotonic solution for semen preparation with a density of approximately 1.12 g/ml.

- Ready-to-use (45 %, 90 %)
- Stock solution (100 %) can be diluted to your own preferences
- Consists of silane-coated colloidal silica particles suspended in HEPES buffered medium
- Can be used in combination with IUI, IVF and ICSI
- CE marked class IIb (0482)



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Tested specifications

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

Can be used in combination with

- GM501 SpermAir
- GM501 SpermActive

Instructions for use

Mix the density gradient bottles by 5 bottle inversions before use. We would advise you to produce a 2-phase system from the 100 % gradient (45 % and 90 %). You may prefer a different mixing ratio (e.g. 40 % and 80 %) or a multi layer gradient (45 %-70 %-90 %). Mix 9 parts of GM501 Gradient 100 % with 1 parts of washing medium to produce the 90 % gradient. Mix 4.5 parts of GM501 Gradient 100 % with 5.5 parts of washing medium to produce the 45 % gradient.

Note: Gradients should be prepared and repacked under sterile conditions (e.g. LAF-bench, ISO Class 5). For optimal results prepare the gradient media a maximum of 24 hours prior to use. Mix well after diluting the GM501 Gradient 100 %.

Recommended application

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

Order codes	Size	Storage	Shelf life*
100 % gradient			
FGY4GM501G-100-50	1 x 50 ml	2 - 8 °C	18 months
FGY4GM501G-100-100	1 x 100 ml	2 - 8 °C	18 months
FGY4GM501G-100-250	1 x 250 ml	2 - 8 °C	18 months
90 % gradient			
FGY4GM501G-90-10	1 x 10 ml	2 - 8 °C	18 months
FGY4GM501G-90-50	1 x 50 ml	2 - 8 °C	18 months
FGY4GM501G-90-100	1 x 100 ml	2 - 8 °C	18 months
FGY4GM501G-90-250	1 x 250 ml	2 - 8 °C	18 months
45 % gradient			
FGY4GM501G-45-10	1 x 10 ml	2 - 8 °C	18 months
FGY4GM501G-45-50	1 x 50 ml	2 - 8 °C	18 months
FGY4GM501G-45-100	1 x 100 ml	2 - 8 °C	18 months
FGY4GM501G-45-250	1 x 250 ml	2 - 8 °C	18 months

* from time of manufacture

Gi108/V3

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