

**Certificate of Analysis
GM501 Gradient 90%**

Batchnumber	GRAD90-1827
Production date	25 July 2018
Expiry date	31 January 2020
Total volume (mL)	20300

	Results	Specifications
pH	7,39	7,20-7,60
Osmolality	333	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,106	< 0,50 EU/mL
Density	1,1093	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,51	< 1,65 cP
Sperm survival Test (4 hours exposure)	100	≥ 80 %
Sperm survival Test (24 hours exposure)	92	≥ 75 %

Release date 09 August 2018

Released by Dr. Julia Heinzmann

Signature

p.p. Julia Heinzmann