

**Certificate of Analysis  
GM501 Gradient 90%**

Batchnumber	GRAD90-1905
Production date	07 February 2019
Expiry date	31 August 2020
Total volume (mL)	26450

	<b>Results</b>	<b>Specifications</b>
pH	7,4	7,20-7,60
Osmolality	328	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,119	< 0,50 EU/mL
Density	1,1103	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,56	< 1,65 cP
Sperm survival Test (4 hours exposure)	95	≥ 80 %
Sperm survival Test (24 hours exposure)	88	≥ 75 %

Release date 22 February 2019

Released by Dr. Julia Heinzmann

Signature

*p.p. Julia Heinzmann*