

**Certificate of Analysis  
GM501 Gradient 90%**

Batchnumber	GRAD90-1702
Production date	13 July 2017
Expiry date	31 January 2019
Total volume (mL)	29700

	<b>Results</b>	<b>Specifications</b>
pH	7,48	7,20-7,60
Osmolality	325	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,305	< 0,50 EU/mL
Density	1,109	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,49	< 1,65 cP
Sperm survival Test	91	≥ 80 %

Release date 01 August 2017

Released by Dr. Julia Heinzmann

Signature

*p.p. Julia Heinzmann*