

**Certificate of Analysis
GM501 Gradient 90%**

Batchnumber	GRAD90-1703
Production date	19 December 2017
Expiry date	30 June 2019
Total volume (mL)	23900

	Results	Specifications
pH	7,59	7,20-7,60
Osmolality	331	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,1	< 0,50 EU/mL
Density	1,1051	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,49	< 1,65 cP
Sperm survival Test	96	≥ 80 %

Release date 05 January 2018

Released by Dr. Julia Heinzmann

Signature

p.p. Julia Heinzmann