

**Certificate of Analysis
GM501 Gradient 90%**

Batchnumber	GRAD90-1838
Production date	07 November 2018
Expiry date	31 May 2020
Total volume (mL)	30300

	Results	Specifications
pH	7,34	7,20-7,60
Osmolality	326	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,1	< 0,50 EU/mL
Density	1,1116	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,55	< 1,65 cP
Sperm survival Test (4 hours exposure)	100	≥ 80 %
Sperm survival Test (24 hours exposure)	98	≥ 75 %

Release date 22 November 2018

Released by Dr. Julia Heinzmann

Signature

p.p. Julia Heinzmann