

# Certificate of Analysis



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## Product Details

**Product description:** Cleavage Medium  
**Product code:** CLM-50  
**Lot number:** J000006425  
**Expiry date:** 10 Feb. 2025

## Intended Use

Cleavage Medium is used to provide necessary nutrients for embryo development *in vitro*. The embryos can remain in this solution for up to 2 days prior to being transferred to the uterus or grown for up to another 3 days in Blastocyst Medium (BLM-20, BLM-50).

**USA only:** Gems Cleavage Medium is for *in vitro* culture of embryos following fertilisation to the 4-8 cell stage. This medium can be used for transfer of cleavage stage embryos into the uterus.

**Caution:** Federal law (USA) restricts this device to sale by or on the order of a physician or practitioner trained in its use.

## Product Analysis

Assay	Specification	Result
pH at 37 °C with 6% CO <sub>2</sub>	7.30 – 7.50	Pass
Osmolality	285 – 295 mOsm/kg	Pass
MEA	MEA (1-cell): ≥80% developed to blastocyst stage or beyond by 96 hours	Pass
Endotoxin	<0.4 EU/mL	Pass
Sterility	No Growth	Pass
HSA Analysis	3.8 – 6.2 mg/mL	Pass
Gentamicin	0.0075 – 0.0125 mg/mL	Pass

## Product passed and released by Quality

**Signature:**  Electronically signed by: Elliot Atchison  
Reason: Approval  
Date: Mar 15, 2024 08:42 GMT+11

**Name:** Elliot Atchison  
**Job Title:** Manufacturing QA Team Leader  
**Date:** 15 Mar. 2024