

Certificate of analysis

Product Name/Description: Cellartis® MSC Xeno-Free GMP Grade Culture Medium (Prototype)
Cat. #: Y50210
Lot #: AJZL024
Storage Conditions: 2 to 8 degrees C and below -30 degrees C
Expiration Date: July 2020

Package Size: 1 Kit

Package Contents:

Package 1	1. Cellartis® MSC Xeno-Free GMP Grade Basal Medium (Prototype)	475 ml
Package 2	2. Cellartis® MSC Xeno-Free GMP Grade Supplement (Prototype)	25 ml

Note:

Cellartis® MSC Xeno-Free GMP Grade Basal Medium (Prototype):
Do not freeze.
Once Cellartis® MSC Xeno-Free GMP Grade Supplement (Prototype) is added to this component, it must be used within one month.

Cellartis® MSC Xeno-Free GMP Grade Supplement (Prototype):
Once this component is thawed, it must be used immediately.
Do not re-freeze.

Quality Control Data:

Cellartis® MSC Xeno-Free GMP Grade Basal Medium (Prototype)

Test items	Specifications	Results
1) Sterility Testing	Negative	Negative
2) Mycoplasma Testing	Negative	Negative
3) pH	7.1 - 7.5	7.2 - 7.3
4) Endotoxin Testing	< 1.0 EU/mL	< 0.1 EU/mL
5) Osmolarity	290 - 320 mOsm/kg	308 mOsm/kg

Cellartis® MSC Xeno-Free GMP Grade Supplement (Prototype)

Test items	Specifications	Results
1) Sterility Testing	Negative	Negative
2) Endotoxin Testing	< 10.0 EU/mL	< 1.0 EU/mL

It is certified that this product meets the above specifications.

Approved By:

Manager, Quality Assurance
Takara Bio Inc.

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