

## Certificate of Analysis

### Cell Cryopreservation Solution for MSC, USP Grade (5%DMSO, Chemical-Defined )

Cat No.: F108-20 / F108-100  
Production Date: 21<sup>st</sup> November, 2024  
Storage: 2-8 °C

Lot No.: F10824112101  
Expiry Date: 20<sup>th</sup> November, 2027  
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#### Physical and Chemical Analysis

|                           | Specifications         | Results      |
|---------------------------|------------------------|--------------|
| Appearance                | Colorless clear liquid | Pass         |
| pH <sup>[1]</sup>         | 7.0 ~ 9.0              | 7.52         |
| Osmolality <sup>[2]</sup> | < 2500 mOsm/kg         | 2336 mOsm/kg |
| Endotoxin <sup>[3]</sup>  | ≤0.5 EU/ml             | ≤0.25 EU/ml  |

#### Sterility Testing

|                           | Specifications | Results |
|---------------------------|----------------|---------|
| Sterility <sup>[4]</sup>  | Negative       | Pass    |
| Mycoplasma <sup>[5]</sup> | Negative       | Pass    |

#### Cell Culture Test

|               | Specifications | Results |
|---------------|----------------|---------|
| Recovery Rate | ≥ 90%          | 99.6%   |

#### References

- [1] Potentiometric Determination; Current Edition EP
- [2] Freeze-Point Depression; Current Edition EP
- [3] Gel-clot technique; Current Edition EP
- [4] Direct Inoculation; Current Edition EP
- [5] Culture + Indicator Cell Assay

These signatures indicate the material mentioned above has met specifications and has been reviewed by the quality unit.

**Quality Statement :** This product is manufactured, tested and released in accordance with GMP guidelines.

*This product complies with ISO 13485.*

Signature:   
Position: Approver  
Issue date: 5<sup>th</sup> December, 2024