

# Product Data Sheet

## Waymouth Cryopreservation Medium

Catalog Number: 0459

### Product Description

Waymouth Cryopreserve Medium is a serum-free ready-to-use reagent for the cryogenic preservation of mammalian cells. The sterile solution is composed of a Minimal Essential Medium (MEM) based with methylcellulose and DMSO as preservation agents. Cells which have been cryopreserved in this medium have been shown to have good viability upon reconstitution.

### Suggested Use

Thaw the medium and hold on ice. To cryopreserve cells, centrifuge the cell suspension removing as much culture medium as possible. Resuspend the cells at  $10^6$  to  $10^7$  cells/ml in ice-cold preservation medium. Mix well but gently. Transfer the desired volume of the cell suspension to pre-cooled cryovials. Freeze slowly using an automatic controlled rate ( $1^\circ\text{C}$  per minute) freezer to  $-90^\circ\text{C}$ . (Alternatively, place the cryovials inside a styrofoam rack and place the rack in a  $-80^\circ\text{C}$  mechanical freezer for 24 hours.) After freezing is complete, transfer the vials to a liquid nitrogen (vapor phase storage) or  $-80^\circ\text{C}$  freezer for permanent storage.

### Recommended Storage

**Storage:** This product is shipped refrigerated. Store below  $-70^\circ\text{C}$ .  
**Stability:** 2 years at  $-70^\circ\text{C}$ ; 3 months at  $4^\circ\text{C}$   
**pH:** 7.7 – 7.9  
**Unit size:** 50ml

### Composition

**Sterile 0.087% Methylcellulose, 8.7% DMSO in MEM medium.**

### References

- Waymouth, C. and Varnum, D. (1976). Simple Freezing Procedure for Storage Serum-Free Media of Cultured and Tumor Cells of Mouse. TCA Manual 2:1 pp. 311-313.
- Freshney, R. (1986). Animal Cell Culture: A Practical Approach. IRL Press Ltd., Oxford. pp. 73-77.
- Kruse, P. and Patterson, M. (1973). Tissue Culture Methods and Applications. Academic Press, NY. pp. 712-718.



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### Ordering Information

Cat. No.	Description	Unit Size
0459	Waymouth Cryopreservation Media	100 ml

### Material Safety Data

FOR RESEARCH USE ONLY. NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. Do not ingest, swallow or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. For complete safety information see full Material Safety Data Sheet.