Japanese Journal of Freezing and Drying Contents of Vol. 29, 1983

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Biochemical Strategy of Animals in Relation to the Adaptation to Winter Haruo CHINO

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Some Comments on the Activity Maintenance of Microbial Enzymes (Short Communication) Hiromi B. MARUYAMA

2. Preservation of Contempt Cells of *Escherichia coli* by Freezing and Freeze-Drying Nobuyuki TERAKADO, Tsutomu SEKIZAKI, Hiroyuki YUGI and Tokio NEI

Freeze-Drying of Germinating Bacterial Spores (Short Communication)· Ryozaburo IRIE

3. Resistance of Yeast Cells to Freeze-Thawing Masayasu ANDO, Keiko YAGISHITA, Hiraku SAITO, Shoji SHIMADA and Yasuo TANAKA

4. Effect of Dimethyl Sulfoxide on Freezing and Thawing of Yeast Cells SARDJONO, Nobuo TAKADA and Yasuji OSHIMA

Preservation of Filamentous Fungal Cultures by Freezing (Short Communication) Tatsuo YOKOYAMA and Tadayoshi ITO

5. Hydration of Myosin (2) Naofumi HANAFUSA

6. A Mechanism of Freezing and Thawing of Heterogeneous Systems Norio MURASE and Kinji GONDA

7. Analysis of Sake by DSC

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8. Preservation of Fungal Stock Cultures Using Anhydrous Silica Gel Tatsuo ISHIKAWA

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9. Preservation of Obligate and Facultative Anaerobe by Gelatin P₂O₅ Drying Method Nobutake KIMURA, Miwako YOSHIKANE, Kiyoko OHARA and Akio KOBAYASHI

Long-Term Preservation of Microorganisms by "Disc-in-Bag" Method (a Drying Method) and its Simplified Procedure (Short Communication) Mitsuko KOBATAKE

L-Drying of Terrestrial and Marine Bacteria Sensitive to Freeze-Drying (Short Communication) Masayo AKAGAWA, Kuniaki SUZUKI and Kazuhide YAMASATO

10. Microscopic Observation of the Freeze-Drying Process of Cells
—Demonstration with 16mm Movies—
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Seminar on "Preservation of Animal Cells"

1. Preservation of Cells in Cryobiology Tokio NEI

2. Preservation of Tissue Culture Cells by Freezing Kiyokata OHNISHI

3. Cryopreservation of Hematopoietic Stem Cells from Mice Bone Marrow Yoichi AMEMIYA, Takeyoshi ITOH and Ichita AMAKI

4. Present Status and Problems in Freezing Spermatozoa of Different Species Akira IRITANI

5. Frozen Storage of Mammalian Embryos Yukio TSUNODA and Tadashi SUGIE

6. Storage of Marine Products by Partial Freezing and Chilling

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7. Freezing Injury in Biological Membranes

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