

CRYOBIOLOGY AND CRYOTECHNOLOGY

Contents of Vol. 41 (No.2), 1995

Original papers

1. Determination of Ice Crystal Sizes as Functions of Temperature, Cooling and Warming Rates in Glass-Forming Aqueous Solutions
.....Patrick M. MEHL.....44(1)
2. Effects of Pretreatments on Cryopreservation in Asparagus Shoot Apices
.....Yutaka JITSUYAMA, Takashi SUZUKI, Takashi HARADA
and Seizo FUJIKAWA.....50(7)
3. Change of Polymer Network by the Freezing of Food Hydrogel
.....Tetsuya, TAKANO, Hideki HAYASHI, Toru SUZUKI
and Rikuo TAKAI.....58(15)

Papers presented at the 41st Annual Meeting, August 3, 1995, Sapporo

Special lectures

1. Biophysical and Bioengineering Aspects of Cryosurgery
.....Boris RUBINSKY.....67(24)
2. Cryopreservation of Hepatocytes
.....Shin-ichi KASAI.....82(39)

Articles

1. Investigation into Protective Agent for Halophilic Bacteria Subjected to Liquid Drying (L-Drying)
.....Takeshi SAKANE.....87(44)
2. Estimation for Storage Stability of Freeze-Dried Carp Myofibrils by DSC Method
.....Yumiko MATSUDA, Chisato OHKUMA, Rikuo TAKAI
and Toru SUZUKI.....93(50)
3. Cryopreservation of Blood Vessel
.....Shin-ichi NAGATA, Ichiro TANASAWA and Jyun-ichi NINOMIYA.....97(54)
4. Effect of Cryoprotectants on Microscopic Structure during Solidification of Solutions with Red Blood Cells
.....Hiroshi ISHIGURO.....100(57)
5. Hydrophobic Hydration in Concentrated Aqueous Solution
.....Hitoshi KANNO, Yukihiro YOSHIMURA and Akihiro OHNISHI.....104(61)
6. A Study of Glass-forming of Aqueous Alkylurea Solutions
.....Akihiro OHNISHI and Hitoshi KANNO.....107(64)
7. The Volume Change on Freezing : Aqueous Solutions of Alkali Metal and Alkaline Earth Metal Salts
.....Kazuhito KAJIWARA, Yoshifumi SUGI and Takusei HASHITANI.....110(67)
8. Ice Bank with Ice Nucleating Substances
.....Norio MURASE, Kazuo TORII, Katsuhiko MIYAJI
and Hideo YAMAMOTO.....114(71)
9. Low Temperature Behaviour of Xylem Ray Parenchyma Cells of *Morus bombycis*
.....Katsushi KURODA, Seizou FUJIKAWA and Jun OHTANI.....118(75)