

key word index

problems of cryobiology and cryomedicine, volume 24

3 β -hydroxysteroid dehydrogenase 47

a

ATP 140

acid resistance 28

adaptation, *cross* 38

adaptive response 38

adjuvant arthritis 249

adrenocorticotocytes 47

aldosterone 47

alginate microspheres 222

alginate-gelatin matrices 292

amphiphilic compounds 231

anemia 312

antibodies, *monoclonal* 262

apoptosis 249

arthritis, *adjuvant* 249

b

biology, *system* 193

biomacromolecules 83

bone marrow cells 118

bone, *structural and metabolic characteristics* 279

c

carp

Prussian 149

silver 140

catalase 67

cell(s)

bone marrow 118, 238

fetal

liver 16, 118, 238, 249, 292

neural 67

hemopoietic stem 118, 238

mesenchymal stromal/stem 16 , 222

osteogenic 279

regulatory T

ceruloplasmin 67

chemotherapy 312

cluster crystallization 102

cold exposure 279

collagen 262

combined cryoprotective solutions [cryopreservatives]

222

conformational changes 83

concentration of sperm 140

cord [placental] blood 312

cranio-skeletal injury 67

creatinine 75

cross adaptation 38

cryodestruction 354

cryo-electron

microscopy 193

tomography 193

cryoinjury 302

cryopreservation

of bone marrow cells 118, 238

of cumulus cells 57

of fetal liver cells 16, 118, 238, 249

of fragments of organs 132

of granulosa cells 57

of sperm 140

of yeast 268

cryopreservatives [cryoprotective media] 102, 149, 222

cryopreserved

bone marrow 322

cord blood, preparations of 312, 332

fetal

liver cells 16, 118, 292

neural cells 67

placenta extract 75

cryoprotectant(s) 102, 149

cryoprotection 83

cryoressistance 302

cryosurgery 354

crystallization, *cluster* 102

culture 57

cumulus 57

d

DMSO 47

decellularization 346

dehydration 83

derma 3

diabetes, *pyo-inflammatory complications of*

diagram of state 102

dimethyl sulfoxide 47

dynamomics 193

e

ecological niche 302

elasticity 346

elastin 262

electron paramagnetic resonance 28, 212

embryos, *Prussian carp* 149

endotoxicosis 332

epilepsy 354

epithelium 3

erythrocyte(s) 28, 312

mammal 231

extracellular matrix 346

extract 132

of placenta 28, 75



experimental
 renal failure 75
 liver failure 292
exposure, stepwise 222

f

fat subcutaneous 3
fetal
 bovine serum 47
 cells
 neural 67
 of liver, cryopreserved 16, 118, 292
fish species 302
fluorescent dye 47
foxp3 gene
fragments of organs 132
freeze-thawing 38
freezing 212, 262

g

gene
 foxp3 322
 ido 16
glomerular filtration rate 75
graft 346
graft-versus-host disease 322
granulosa 57

h

hemopoietic stem cells 118, 238
hemolysis 312
hemorrhage 67
hepatic failure model 292
hormone stimulation 140
homeostasis, *correction of* 332
hydrophilic pores 302
hyperconcentration 212
hypertonic stress 231
hypothermia 279

i

ido gene 16
immobilization 268
implantation 292
in silico 193
indoleamine 2,3-dioxygenase 16
intracerebral tumors 354
ionizing radiation 262

j
JC-1 47

l
lipid peroxidation 67

liver 67
 cells, cryopreserved fetal 16, 238, 249
localomics 193
low temperature 83
 storage 28

m

mammal *erythrocytes* 231
melanocytes 3
metabolic changes 332
mesenchymal stromal/stem cells 16, 222
micromachining 193
microscopy, *cryo-electron* 193
molecular machines 193
monoclonal antibodies 262
monocyte-phagocyte system 249

n

neural cells, *fetal* 67
neurosurgery 354

o

obsessive-compulsive disorder
optical density 262
organs, *fragments of* 132
osteogenic cells 279
oxidative stress 38
ozone 38

p

Parkinson's disease 354
peptides 132
peroxidation, *lipid* 67
placenta, *extract of* 28, 75
pores, *hydrophilic* 302
potassium cations 231
protease inhibitors 132
pyo-inflammatory complications of diabetes 332

r

radiation, *ionizing* 262
renal failure, *experimental* 75

s

Saccharomyces cerevisiae 38
salinity of water 302
skin 3
sperm 140, 302
sphericity index 312
spin Hamiltonian 193
state, *diagram of* 102
stem cells 3, 118, 238
stereotaxis 354



stress

hypertonic 231
 oxidative 38

structural and conformational changes 83

structural analysis 193

structure 102

spectra [EPR], *structure of* 212

subcutaneous fat 3

superoxide dismutase 67

survival 149

t

T cells, *regulatory* 322

temperature

teratogenicity 149

tissue engineering 346

tomography, cryo-electron 193

trehalose 268

tumors, *intracerebral* 354

v

viability 268
vitrification 102, 222

w

water salinity 302

y

yeast 268

