

key word index

problems of cryobiology and cryomedicine, volume 29

α -Gal epitope 73
 γ -irradiation 115

a

activity
 immunomodulating 266
 immunogenic 102
acute focal cerebral ischemia 277
adrenal gland cell culture 344
age 365
ageing 221
animals, *laboratory* 303
antigen 297
aorta, *newborn piglet* 73
apoptosis 246
arthritis 28
atopic dermatitis 266
attachment site 237

b

blood, *cord* 58
 cryopreserved 365
 leukoconcentrate, human 332
blood serum, *cord, cryopreserved* 277
body surface temperature 137
bone marrow cells, *cryopreserved* 115
bone tissue metabolism 125
bovine red blood cells 255
brain 58

c

Ca²⁺ 317
cancer stem cells 297
cartilage tissues 303
cell culture (of) adrenal gland 344
cells
 bone marrow, cryopreserved 115
 fetal liver 115
 chromaffin 344
 dendritic 297
 fibroblast-like 354
 glial satellite 354
 liver fetal
 cryopreserved 221
 rat 266
 neuron-like 354
 red blood
 bovine 255
 equine 255

stem 303
 cancer 297
 cryopreservation 303
 hematopoietic 115
 hematopoietic 28, 332
 stromal multipotent thymic 115
 T-regulatory 332

cell-to-cell interaction 115
ceruloplasmin 88
chromaffin cells 344
chromogranin A 344
citrate calcium 125
cold rhythmic extreme, *exposures* 206
cold stress 246
colony forming units 332
combined cryopreservation medium 255
cord blood 58
 cryopreserved 365
 leukoconcentrate, human 332
 serum, cryopreserved 277
corticosterone 206
cranio cerebral hypothermia 58
C-reactive protein 88
cryoablation 297
cryochamber 137
cryodestruction skin 88
cryopreservation 3, 28, 44, 102, 255, 266, 317, 344
 bone marrow 115
 bone tissue metabolism 125
 bovine red blood cells 255
 cancer 297
 cells
 chromaffin 344
 liver fetal 115
 dorsal root ganglion 354
 embryos 3
 equine red blood 255
 erythrocyte 317
 fetal liver cells 115
 fibroblast-like 354
 follicles 19
 glial cells satellite 354
 hematopoietic stem cells 28, 115, 332
 leptospira 102
 leukoconcentrate (of) human cord blood 332
 mammalian erythrocytes 199
 medium, combined 255
 multicellular spheroids 344, 354
 multipotent stromal cells thymic 115
 neuron-like cells 354
 of stem cells 303
 oocytes 3



placenta 28
pollen 44
red blood cells 255
satellite glial cells 354
seeds 44
serum cryopreserved cord blood 277
shoots vegetative 44
spermatozoa 3
spheroids multicellular 344, 354
 stem cells 303
thymic multipotent stromal cells 115
tissue vegetative shoots 44

cryopreserved
 bone marrow cells 115
 cord blood 365
 serum 277
 fetal liver cells 221
 tissue 125

cryoprobe 88
cryoprotectant (-s) 44
 penetrating 199
 toxicity 237

cryotherapy 137
culture, *adrenal gland cell* 344
cycle, *light-dark shift* 365

d

dalargin 246
dehydroepiandrosterone 206
dendritic cells 297
dermatitis atopic 266
dorsal root ganglion 354
dye fluorescent 255
dyscirculatory encephalopathy 58
dimethyl sulphoxide 102, 266

e

embryos 3
encephalopathy, dyscirculatory 58
eparation 277
equine red blood cells 255
erythrocyte 317
 membrane 237
 mammalian 199
 transformation 365
estradiol 206
experimental models 303

f

fetal liver cells 115
 cryopreserved 221
fibroblast-like cells 354
fluorescent dye 255

follicles 19
fracture, mandible 125

g

ganglion, dorsal root 354
glial cells, satellite 354
glycerol 102, 199

h

hematopoietic stem cells 28, 115, 332
hemolysis 199, 255
hormones, sex 19
human
 cord blood leukoconcentrate 332
 placenta 125
hypertonic shock 199
hypothermia 246
 craniocerebral 58
hypothermic storage 19, 73

i

immune system 297
immunogenic activity 102
immunomodulating activity 266
immunoproteasomes 73
incubation temperature 199
individualization 137
injections, multiple 221
interaction, cell-to-cell 115
ionic strength 317
ischemia, acute focal cerebral 277

l

laboratory animals 303
leptospira 102
leukoconcentrate, human cord blood 332
lifespan 221
lipid profile 206
liquid nitrogen 102
liver cells, fetal 115, 266
 cryopreserved 221
lyophilization 332

m

mammalian erythrocytes 199
mandible fracture 125
mannitol 19
mechanical stability 317
medium, cryopreservation, combined 255
membrane 317
 erythrocyte 237



metabolism, *bone tissue* 125
model (-s) 88
 experimental 303
morphology 19
 tissue 88
multicellular spheroids 344, 354
multiple injections 221
multipotent stromal cells, *thymic* 115

n

necrosis 277
neonatal piglets 354
neuron-like cells 354
neuropeptides 246
newborn piglet aorta 73
nitrogen liquid 102

o

oocytes 3
organic solvent 237
osteogenesis, *reparative* 125
ovarian tissue 19
oxidative stress 88

p

penetrating cryoprotectant 199
piglet (-s)
 newborn aorta 73
 neonatal 354
placenta 28
 human 125
pollen 44
prooxidant-antioxidant potential 221
protein C-reactive 88

r

rats 125, 221, 266, 365
 SHR 58
red blood cells
 bovine 255
 equine 255
reparative osteogenesis 125
rhythmic extreme cold exposures 206

s

satellite glial cells 354
seeds 44
serogroup 102
serovar 102
serum, *cryopreserved cord blood* 277
sex hormones 19

shift of light-dark cycle 365
shock hypertonic 199
shoots vegetative 44
SHR rats 58
site, *attachment* 237
skeleton, *spectrin* 237
skin cryodestruction 88
solvent, *organic* 237
spectrin skeleton 237
spermatozoa 3
spheroids, *multicellular* 344, 354
stability, *mechanical* 317
stem cells 303
 cancer 297
 cryopreservation 303
 hematopoietic 28, 115, 332
storage, *hypothermic* 19, 73
strain 102
strength, *ionic* 317
stress
 cold 246
 oxidative 88
stress-tread effect 246
stromal cells, *thymic multipotent* 115
system
 thermal control 137
 immune 297

t

temperature 88
 incubation 199
 body surface 137
testosterone 206
thermal control system 137
thymic multipotent stromal cells 115
thyroxine 206
tissue (-s)
 cryopreserved 125
 morphology 88
 ovarian 19
 cartilage 303
toxicity, *cryoprotectant* 237
transformation, *erythrocytes* 365
T-regulatory cells 332
triiodothyronine 206

v

vegetative shoots 44
vitrification 3

x

xenotransplantation 73

