

key word index

problems of cryobiology and cryomedicine, volume 30

a

action of factors, combined 256
activity, *biological* 47
 contractile 188
 virus infectious 148
adaptation 256
agar 68
aggregates 169
alcohol intoxication, *chronic* 369
allogeneic transplantation 213
allogeneic transplantation, *intratesticular* 34
analysis, *correlation* 331
Antarctica 3
anther culture *in vitro* 68
antibiotics 343
antimicrobial effect 343
antiviral protection 107
aorta 90
arousal 132
arterial hypertension 270
assisted reproductive technologies 199
asthenozoospermia 24
autologous oocytes 384

b

banks, *public umbilical cord blood* 213
barley, *spring* 68
baroreceptors 90
behavioral tests 169
bifidobacteria 247
biofilm formation 247
biological activity 47
biomass growth, *daily* 247
biomedical ethics 213
bladder urinary 188
blood, *cord* 47
 human 58
 leukoconcentrate cryopreserved 107, 369
 umbilical 213
 public banks 213
 pressure 270
body mass index 380
burn 47

c

cell (-s)
 culture 148, 158
 glial satellite 158

mesenchymal stromal 77

neural 169

nucleated 58

stem

hematopoietic 213

mesenchymal stromal 169, 213

changes, *reparative* 178

chronic alcohol intoxication 369

circadian rhythm 3

circulation peripheral 270

coefficient Spearman's rank correlation 331

cold test 270

combined *action of factors* 256

media 236

constructs tissue engineered 77

contractile activity 188

cord blood 47

human 58

leukoconcentrate cryopreserved 107, 369

umbilical 213

public banks 213

correlation analysis 331

COVID-19 107

cracking 77

craniocerebral hypothermia rhythmic 369

cryoablation 90, 313

cryobiology 313

cryoeffect 178

cryoextract 188

cryopreservation 24, 34, 58, 158, 169, 188, 199, 213, 380, 384

cryopreserved

cord blood cells, human 47, 58, 104, 369

leukoconcentrate, human 107, 369

cryoprotective medium multicomponent 203

cryosurgery 359

culture

anther in vitro 68

cells 148, 158

cycling thermal 247

d

daily biomass growth 247

denervation 90

devitrification 77

dimethyl sulfoxide 58, 158

disturbances sleep 3

donor oocytes 384

dynamics of temperature fields 359



e

effect antimicrobial 343
electrocoagulation 178
electromagnetic radiation 256
embryos 203
 human 380
endoscopy 90
erythrocytes 236
 mammalian 331
erythrokinetics 132
ethics, *biomedical* 213
experiment 90
exposure, *ultrasound* 178

f

formation, *biofilm* 247
fraction, *low molecular weight* 47
freeze-thawing 247
freezing 359
frozen state 343
function, *reproductive* 369

g

ganglia (*-on*), *spinal* 158, 188
glial cells, *satellite* 158
gliocytes, *mantle* 188
glutamine synthetase 158
glutathione 58
glycerol 236
ground squirrel 132
growth, *biomass, daily* 247

h

hematological parameters 132
hematopoietic stem cells 213
hemorrhage, *intracerebral* 169
hemostasis 178
hibernation 132
human *cord blood* 58
 embryos 380
hypertension, *arterial* 270
hypertonic shock 331
hypothermia, *craniocerebral rhythmic* 369
hypotonic stress 331

i

immune *privilege* 34
 suppression 34
 system 107, 256
implantation 169
in vitro anther culture 68

index body mass 380
indices red blood cell 132
infectious activity, *virus* 148
infertility treatment 199
infrared thermography 359
infravesical obstruction 188
intoxication, *alcohol chronic* 369
intracerebral hemorrhage 169
intratesticular allotransplantation 34

l

Lactobacillus rhamnosus GG 343
leukoconcentrate, *human cord blood, cryopreserved* 107, 369
liver 178
long-term storage 148
low molecular weight fraction 47
low temperatures 3
 moderately 256
 positive 68
 storage 47
lyophilization 47
lysis post-hypertonic 236

m

macroporous matrices 77
mammalian erythrocytes 331
mantle gliocytes 188
matrices, *macroporous* 77
media, *combined* 236
 protective 148
 cryoprotective multicomponent 203
mesenchymal stromal cells 77
 stem 169, 213
metabolites 343
moderately low temperatures 256
multicomponent cryoprotective medium 203

n

nanoparticles 313
nanotechnologies 313
nanowarming 313
nervus vagus 90
neural cells 169
nucleated cells 58

o

obstruction, *infravesical* 188
oocytes, *autologous* 384
 donor 384
oxygen reactive species 58



p

parameters hematological 132
peripheral circulation 270
polyvinylpyrrolidone 24
post-hypertonic *lysis* 236
 shock 236
preservation, *virus* 148
pressure, *blood* 270
privilege, *immune* 34
protection, *antiviral* 107
protective media 148
public umbilical cord blood banks 213

r

rabies virus 148
radiation electromagnetic 256
rats 169, 369
reactive oxygen species 58
red blood cell indices 132
reparative changes 178
reproductive *function* 369
 technologies assisted 199
rhythm circadian 3
rhythmic craniocerebral hypothermia 369

s

Saccharomyces boulardii 343
SARS-CoV-2 107
satellite glial cells 158
shock *hypertonic* 331
 post-hypertonic 236
skin 359
sleep 3
 disturbances 3
somatotype 270
Spearman's rank correlation coefficient 331
spermatozoa 24, 199
Spermophilus pygmaeus 132
spinal ganglia 158, 188
spring barley 68
squirrel, *ground* 132
standards 213
starch 68
state, *frozen* 343
stem cells, *hematopoietic* 213
 mesenchymal stromal 169, 213
storage 343
 long-term 148
 low temperature 47
stress, *hypotonic* 331
stromal cells mesenchymal 77
 stem 169, 213
suppression immune 34
system immune 107, 256

t

technologies, *reproductive assisted* 199
temperature (-s)
 fields dynamics 359
 low 3
 moderately 256
 positive 68
test (-s) *cold* 270
 behavioral 169
testis 34
thermal cycling 247
thermography, *infrared* 359
tissue engineered constructs 77
transplantation, *allogeneic* 213
treatment, *infertility* 199

u

ultrasound exposure 178
umbilical cord blood 213
 public banks 213
urinary bladder 188

v

viability 77, 247
virus
 infectious activity 148
 preservation 148
 rabies 148
vitrification 24, 77, 203, 384

w

warming 359

