

SUBJECT INDEX

- Acidosis, pulmonary circulation, 117
 Acute myocardial infarction, CPAP, 177
 Adenosine aminase, GH, metaproterenol, 147
 Age, platelets arachidonic uptake, 37
 Amniotic fluid, phospholipids, 17
 Andalusian horses, training, 55, 207
 Arachidonic acid, platelets uptake, 37
- β_3 -Adrenoceptors, human adipocyte tissue, 193
 Bactericidal activity, infant serum, 213
 Bicarbonate ATPase, rainbow trout gill, 9
 Bleeding, hematological recovery, 219
- Blood
 plasma
 glucose, lactate, Andalusian horses, 55
 lipids, fatty acid composition, diet, 65
 CRF, teleosts, 71
 platelets, arachidonic acid uptake, 37
 Bone derived proteins, skeletal metabolism, 163
 Bovine oocyte, EGF, IGF-I, 77
 Brain, MAO activity, Hg, Pb, 125
 amino acids, domoic acid, 23
- Ca^{2+}
 intake, skeletal Mg^{2+} content, 1
 CA125, CA130
 circadian rhythms, 107
 Calcium ATPase, gill, see water adaptation, 93
 Cardiac output, pulmonary shunt, 7
 Carnitine, hypoxic isolated atria, 201
- Cells
 adipocytes
 β -adrenergic agonists, 193
 lipolysis, 147
 cumulus cells, bovine oocytes, 77
 human colon adenocarcinoma, 43
 Circadian rhythm, salivary tumour markers, 107
 Coconut oil, plasma fatty acid composition, 65
 Cold acetone precipitation, phospholipids, 17
 Complement system, breast, fed infants, 213
 CPAP (continuous positive airway pressure), 177
 CRF, food intake, teleosts, 71
 Cumulus cells, bovine oocyte maturation, 77
- 4-day cyclic rats, RU 486, 85
 Dexamethasone, adipose tissue lipolysis, 147
- Diet
 sulfur amino acid deficiency, liver, 129
 supplementation, plasma fatty acids, 65
- DNA, cell cycle phases, 43
 Domoic acid, brain amino acids, 23
- EGF, bovine oocytes maturation, 77
 Electrolyte contents, hypokinesia, 155
 Energy, restriction, liver nucleic acids, 129
- Enzymes
 adenosine aminase, adipose tissue, 143
 Ca^{2+} -ATPase, gills, 93
 HCO_3 -ATPase, gills, 93
 lipoprotein lipase, exercise, 101
 monoamine oxidase, Hg, Pb, 125
- Equilibrium radionuclide angiocardigraphy, 177
 Estradiol, testicular, GH, GHRIH, 187
 Estrous cycle, RU486, rat, 85
 Exocrine pancreas, VIP, PACAP, 29
- Fasting, hypoxic atria, carnitine, 201
 Fatty acids, plasma lipids, diet, 65
 Fetal lung maturity, amniotic phospholipids, 17
 Fluid filtration rate, blood pH effect, 117
 Fluoride, skeletal metabolism, 163
 Follicular progesterone, RU486, rat, 85
 sulfur amino acid deficiency, 129
- Food intake, teleosts, CRF, 71
- GABA, brain, domoic acid, 23
 Galactose intestinal transport, Zn, 139
 Gastrocnemius, Mg content, 1
 Gastrointestinal system
 small intestine
 galactose, Phe, transport, Zn, 139
 pancreas, exocrine, VIP, 29
- Gill, HCO_3 -ATPase, Ca^{2+} -ATPase, 93
- Growth factors
 epidermal (EGF), 72
 insulin-like (IGF-I), 77

- Growth hormone (GH)
 metaproterenol, lipolytic actions, 147
 testicular steroidogenesis, 187
 hCG, testicular steroidogenesis, 187
 HDL-cholesterol, TG degradation, 101
 Heart rate, Andalusian horses, 55
 Hematologic parameters
 Andalusian horses, 207
 bleeding, teleosts, 219
 Hemolytic capacity, breast-fed infants, 219
 Hormones
 corticotropin-releasing factor (CRF), teleosts, 71
 growth hormone
 lipid mobilization, 147
 testicular steroidogenesis, 187
 hCG, testicular steroidogenesis, 187
 progesterone, follicular, luteal, RU486, 85
 somatostatin, testicular steroidogenesis, 187
 thyroid hormones, CRF, teleosts, 71
 VIP, exocrine pancreas, 29
 Human adipose tissue, β -adrenoceptors, 193
 Hypokinesia, electrolyte, water contents, 155
 Hypoxia
 isolated atria, carnitine, 201
 isolated lung, 7
 IGF-I, bovine oocytes maturation, 77
 Intestinal transport, Zn effect, 139
 Isolated lung, pulmonary shunt, 7
 K⁺ intake, skeletal Mg²⁺ content, 1
 Lactate, training, Andalusian horses, 55
 Laser irradiation, cell cycle synchronization, 43
 Lead, MAO activity, teleost brain, 125
 Lipolysis
 growth hormone, metaproterenol, 147
 β -adrenergic agonists, 193
 Lipoprotein lipase, HDL-cholesterol, 101
 Liver, nucleic acids, deficient diets, 129
 Lung
 circulation, blood pH, 117
 isolated, pulmonary shunt, 7
 maturity, fetal, 17
 Luteal progesterone, RU486, rat, 85
 MAO activity, brain, Pb, Hg, 125
 Meiosis, bovine oocytes, 77
 Mercury, MAO activity, teleost brain, 125
 Metaproterenol, GH interactions, 147
 Mg²⁺, skeletal muscle, 1
 Monolayer cell line, laser irradiation, 43
 Milk, formula, mother, complement system, 213
 Myocardium, Mg²⁺ content, 1
 Na⁺ intake, skeletal Mg²⁺ content, 1
 Nucleic acids, liver, diet effect, 129
 Olive oil, plasma fatty acid composition, 65
 Ovarian cancer, salivary tumour marker, 107
 PACAP, exocrine pancreas, 29
 PEEP, pulmonary shunt, 7
 Phenylalanine, intestinal transport, Zn, 139
 Phospholipids, amniotic fluid, 17
 Pituitary adenylate cyclase activating peptide (PACAP), 29
 Platelets, arachidonic acid uptake, 37
 Pressure, left atrial, blood pH, 117
 Progesterone, follicular, luteal, RU486, 85
 Pulmonary circulation, blood pH, 117
 Pulmonary shunt, PEEP, 7
 Recovery, hematological, bleeding, 219
 RU486, estrous cycle, rat, 85
 Saliva, tumour markers, 107
 Seawater adaptation, rainbow trout, 93
 Skeletal metabolism, bone proteins, fluoride, 1
 Skeletal muscle
 Mg²⁺ content, 1
 water content, hypokinesia, 155
 Somatostatin (GHRH), testicular steroidogenesis, 187
 Somatotropin (GH), testicular steroidogenesis, 187
 Sulfur amino acid deficiency, liver nucleic acids, 129
 Sunflower oil, plasma fatty acid composition, 65
 Teleosts
 food intake, thyroid function, 71
 freshwater, MAO activity, brain, 125
 hematologic recovery, bleeding, 219
 seawater adaptation, 93
 Testes, steroidogenesis, GH, GHRH, 187
 Testosterone, GH, GHRH, 187
 Thyroid hormones, CRF, teleosts, 71
 Training response, Andalusian horses, 55, 207
 Triglycerides, degradation, exercise, 101
 Tumour marker, saliva, circadian rhythms, 107
 Ventricular function, CPAP, 177
 VIP, exocrine pancreas, 29
 Zn, intestinal transport inhibition, 139