

Subject Index

- Acetylsalicylic acid, 201
Adenosine diphosphate, 206
Adenylate cyclase, 68
Adrenergic receptors, 68
Adult rat, 103
Alanine, 578
Anemia, 362
Antigenic determinants, 262
Antioxidants, 653
Aorta, 487
Aortal lipid, 640
apo E-free HDL, 291
Arachidonic acid, 123
Aspirin, 201
ATP, 636
Avian, 518
- BHE rats, 244
Bile salts, 420
Binding, 257
Bioavailability, 542
Bovine casein, 196
Brain, 636
Brain tryptophan, 49
Brush border membranes, 257
- Caffeine, 201
Calcium, 201, 542, 585
Calorie restriction, 484
Canine mammary cells, 478
Cardiomyopathy, 362
Chloride, 542
Cholestasis, 420
Cholesterol, 21, 420, 518
Choline, 89
Choline deficiency, 434, 533
Clearance, 620
Cobalamin, 213
Cold exposure, 528
Collagen, 206, 487
Concanavalin A, 213
Connective tissue, 487
Copper, 35, 249, 362, 374, 487
Copper deficiency, 21, 98, 149, 291, 415
Corn oil, 565
Cysteine, 427
- Depletion, 528
Development, 415
Diabetes mellitus, 653
Diadenosine tetraphosphate, 107
Dietary fats, 28
Dietary fatty acids, 68
Dietary fibers, 28
Dietary lipid, 206, 305
Dietary requirements, 123
Dimethylnitrosamine, 89
DL-buthionine-SR-sulfoximine, 478
Dopamine, 149, 415
- Eicosanoids, 123
- Elastin, 487
Endoplasmic reticulum, 523
Endotoxin, 620
Enoyl CoA hydratase, 410
Estrogen, 420
- Fasting, 155
Fatty acid binding protein, 592
Fatty acids, 299
Female breeders, 143
Fiber, 648
Fish oil, 244, 565
Folate, 257
Food intake, 49, 107
Fructose, 98, 362
- Gerbils, 155
Ginseng, 518
Glucose, 160, 167
Glucose-6-phosphatase, 523
Glucose-6-phosphate, 305
Glucose turnover, 244
Glucosylation, 196
Glutathione, 427, 478
Glutathione peroxidase, 143
Goats, 371
Growth, 107
- HDL binding and uptake, 291
Health, 123
Heart, 160, 410
HMG-CoA reductase, 21
Human, 484
Human skin, 81
3-Hydroxyacyl-CoA dehydrogenase, 410
5-Hydroxytryptamine, 49
Hypercholesterolemia, 21
Hyperthyroidism, 244
Hypomagnesemia, 167
- Influenza virus, 629
Insulin, 167
Insulin binding, 190
Insulin receptors, 68
Intestinal absorption, 28
Intestinal resection, 299
Intestine, 213
Intracellular calcium, 81
Iron, 239, 374, 572, 648
Iron deficiency, 629
- Jejunum, 257
- Kidney, 160, 427
Kinetic properties, 523
Kupffer cell, 620
- Lactation, 239, 371
LDL cholesterol, 518
Lectins, 213
- Linoleic acid, 123
Linolenic acid, 123
Lipid, 350
Lipid composition, 299
Lipid metabolism, 155, 592
Lipid peroxidation, 98, 374, 653
Lipopolysaccharide, 620
Liver, 160, 299, 350, 410, 434
Liver lipids, 640
Liver parenchymal cells, 291
Liver tumor promotion, 434
Lysine, 542
Lysine flux, 371
Lysyl oxidase, 362
- Magnesium, 167, 542
Mammary gland, 239, 572
Mass spectrometry (inductively coupled plasma), 4
Medium chain triglyceride, 462
Membrane fluidity, 190
Metabolism, 578, 620
Metallothionein, 374
Methionine, 653
Methotrexate, 533
Mg deficiency, 355
Mg status, 355
Mice, 149, 415
Microsomal fatty acids, 305
Milk, 239, 572
Mineral metabolism, 4
Modification, 196
Monoclonal antibodies, 262
Mouse, 249
- n*-3 fatty acids, 472
n-3 polyunsaturated fatty acids, 123
Na⁺/K⁺ ATPase, 68
NDF, 648
Neoglycoprotein, 196
Norepinephrine, 149, 415
5'-Nucleotidase, 68, 305
Nutritional values, 196
- Offspring, 143
Olive oil, 565
Ontogeny, 592
Opiate receptors, 68
Oral bacteria, 89
Orotic acid, 640
- Pancreas, 160
Parenteral nutrition, 41, 462
Partial hepatectomy, 578
Phaseolus vulgaris, 648
Phosphatidylinositol, 81
Phosphatidylinositol-specific phospholipase C, 257
Phospholipase A₂ and C, 434
Phosphorus, 542
Pig, 592

- Pinto bean, 648
Plasma and liver perfusate lipids, 472
Plasma cholesterol, 155
Plasma fatty acids, 565
Plasma tryptophan, 49
Platelet aggregation, 206
Platelet fatty acids, 565
Polychlorinated biphenyls, 350
Potassium, 167
Prostaglandin E₂, 201
Prostanoids, 123
Protein kinase C, 434
Protein metabolism, 41
Pyridoxine deficiency, 310
- Rainbow trout, 49
Rat, 21, 143, 249, 410, 629
Rat liver, 533
Rats, 149, 578, 585
Repletion, 528
Retinoids, 262
Retinol-binding protein, 262, 484
Riboflavin deficiency, 310
Ruminants, 167
- Selenite, 478
Selenium, 103, 143
Selenium deficiency, 427
Serotonin, 49
Serum, 299, 350, 484
Serum lipids, 640
Silicon, 35, 487
Skeletal muscle, 410
Skim milk, 640
Skim milk yogurt, 640
Small intestine, 592
Stable isotope ²⁵Mg, 355
Stable isotopes, 4, 103, 249
Streptococcus sanguis I, 89
Streptozotocin-induced diabetes, 523
Structured lipid, 41
Superoxide dismutase, 374
- Taurine, 427
Thiamin deficiency, 636
Thiolase, 410
Thromboxane, 565
Thromboxane A₂, 206
Tissue iron, 310
- D- α -Tocopherol, 528
Trace elements, 4, 35, 585
Trans fatty acids, 190
Transferrin, 572
Transferrin receptors, 239, 572
Transthyretin, 484
Trimethylamine, 89
Turkey, 636
- Uptake, 213
Uric acid, 640
Urinary calcium, 201
Urine, 427
- Vaccination, 629
Vitamin A, 262
Vitamin E, 98, 528
- Wheat bran, 28
Wheat germ, 28
- Yoshida sarcoma, 41, 462
- Zinc, 35, 107, 374