

LC Classification for Biological Sciences

LC Class	Biology
QH316.5	Biology—Experiments
QH321	Biological laboratories
QH324-324.9	Experimental biology
QH323.5	Biomathematics
QH325	Origins of life
QH332	Bioethics/ Biomedical ethics/ Life sciences ethics
QH375	Natural Selection/Darwinism
QH431	Human cytogenetics, human genetics
QH434	Microbial genetics
QH438.4	Biochemical markers, genetic markers, chromosome markers, DNA markers
	Genetics and Genomics
QH442-442.6	Molecular genetics
QH442-442.2	Genetic engineering, designed genetic change, gene splicing, genetic intervention, DNA cloning, gene cloning
QH442.3-4	Gene targeting, gene libraries
QH442.6	Transgenic animals, genetically engineered/modified organisms
QH443-450.5	Genetic recombination, genetic mapping, genomes, genes, genomics, transformation (genetics), gene expression, genetic/gene regulation, genetic transcription, RNA editing, mRNA editing, genetic translation,
QH453	Developmental genetics
QH505	Biophysics
QH506	Molecular biology
QH573-671	Cell biology/Cytology: cell culture, stem cells, cell receptors, regulation of cell growth
	Biochemistry
QD272.A-Z- QD272.S57	Special methods of analysis (qualitative and quantitative): chromatography, liquid chromatography, thin layer chromatography, electrophoresis, spectrophotometry
QD375	Antibiotics (general works)
QD431.25.A53 -431.25.S85	Proteins, peptides, amino acids, etc: analysis, derivatives, structure, synthesis
QD433.A3-Z- 435	Nucleic acids, structure, ribonucleic acids, deoxyribonucleic acids
QH345	General biochemistry of plants and animals
QP517.B49	Bioconjugates
QP517.B54	Bioenergetics
QP517.C45	Cellular signal transduction (including second messengers)
QP517.M3	Mathematical models, computer simulation
QP517.M65	Molecular dynamics
QP517.M66- 517.S85	Molecular orbitals, molecular recognition, physical biochemistry, protein binding, quantum biochemistry, structure-activity relationships
QP519.9.A35-	Analytical biochemistry technique (e.g. affinity chromatography, affinity

519.E42	electrophoresis, capillary liquid chromatography, electrochemical analysis etc)
QA551.5	Special substances: Protein-protein interactions, cell adhesion molecules, cytoskeletal proteins, membrane proteins, muscle proteins, polypeptides, transcription factors, messenger RNA, small interfering RNA, circular DNA, DNA microarrays, special ligands (drugs and proteins)
	Botany
QK99	Medical botany, medicinal plants
QK725-728	Plant cell culture, plant cell development, plant cell differentiation, plant cell membranes, plant cells and tissues, Plant tissue culture, plant chromosomes, plant molecular biology
QK981-981.7	Plant genetics
QK981.4	Plant molecular genetics, plant genetic regulation
QK981.45	Plant genome mapping
	Neuroscience
QP356.15 - QP356.3	Comparative neurobiology/neurology, molecular neurobiology, neurogenetics/nervous system (genetic aspects), developmental neurophysiology, neurochemistry
QP356.4	Neuroendocrinology
QP356.47	Neuroimmunology
	Nervous System
QP363.2- QP367	Neuroglia, neural circuitry, neural networks, neurogenesis, developmental neurobiology, synapses, neural transmission, neurotransmitters, neurotransmitter receptors, inhibition (general), sensitization, cerebrospinal nerves: cranial nerves, spinal nerves
QP383.3	Basal ganglia (general works)
QP455	Chemical senses ,chemoreceptors (general works)
QP562.A8 – QP801.I48	Animal biochemistry-special substances: e.g. peptide hormones, pituitary hormones, nerve proteins, neuropeptides etc.
QL813.M55	Anatomy: mice
QL813.R37	Anatomy: rats
QL927	Laboratory manuals—neurological technique
QM455	Neuroanatomy: brain
	Brain -- Diseases
RC386-395	Brain- degeneration, brain damage, cerebral malaria, epilepsy (RC372), neurobehavioral disorders, Parkinson's disease (RC382)
RS322	Drugs acting on the nervous system; neuropsychopharmacology
	Structural and Computational Biology
QH324.2	Bioinformatics; Biology – data processing
QH324.25	Artificial intelligence-biological applications
QH324.8	Biological models
QH324.9.T45	Three-dimensional imaging in biology
QP517.M3	Mathematical models. Computer simulation
QR182.2.I46	Immunoinformatics
	Biotechnology
TP248.2	Biotechnology
TP248.25.A96	Processes, operations and techniques: (e.g. capillary electrophoresis, cell adhesion, flow cytometry, immobilized cell processes, mass spectrometry etc)

TP248.27.A53	Animal cell biotechnology
TP248.27.M53	Microbial biotechnology
TP248.27.P55	Plant biotechnology
TP248.6	Genetic engineering applications
TP248.65.A43 - TP248.65.V32	Biotechnological production, modification, and applications of individual compounds or classes of compounds: amino acids, antibiotics, blood products, enzymes, immobilized enzymes, immobilized proteins, immunoglobulins, lignocelluloses, lipids, microbial exopolysaccharides, microbial proteins, monoclonal antibodies, organic compounds, polysaccharides, proteins, single cell lipids, single cell proteins, vaccines
TP319	Fuel: liquid and gaseous fuel, biodiesel fuels, biogas
	Pharmacology
RM111	Experimental therapeutics
RM121	Therapeutics (general works)
RM182	Cupping. Acupuncture
RM184.5	Acupuncture points
RM283-284	Endocrinotherapy (general works)
RM261-262	Chemotherapy
RM267	Antibiotic therapy
RM301.28	Clinical pharmacology
RM301.3.A-.3.Z	Special factors in drug response: chronopharmacology, genetics, pharmacogenetics, pharmacogenomics, chemogenomics, sex
RM301.41- RM302.7	Drug receptors, structure-activity relationship, therapeutic equivalency, pharmacokinetics, drug metabolism, bioavailability, drug targeting, molecular pharmacology, dose-response relationship of drugs, drug monitoring, drug interactions, drug side effects (general), drug withdrawal symptoms, drug discrimination,
RM405	Anti-inflammatory agents. Antiphlogistics
RM723.A27	Acupressure
RM723.C5	Chinese massage
RS81	Organic drugs: vegetable
RS154	Organic material medica (general)
RS155	Additions to material medica, new remedies
RS159-159.5	Collection and preservation of drugs, packaging of drugs
RS160-167	Pharmacognosy. Pharmaceutical substances (Plant, animal, and inorganic): marine substances, organic substances, vegetable substances, medicinal herbs, plant drugs, aloe, fungi, ginseng, herbs, liu wei di huang, rhubarb
RS419.5- 431.P55	Pharmaceutical chemistry High throughput screening, drug design, drug lipophilicity, drug stability, drug radiolabeling, drug stereochemistry, chiral drugs, alkaloids, antibacterial agents, antibiotics, antifungal agents, antineoplastic agents, antiviral nucleosides, beta lactam antibiotics, ergot alkaloids, medicinal plants, narcotics, narcotics, plant antiviral agents
RS441	Microscopical examination of drugs
R581	Medicine, Oriental
	Microbiology
QR46	Medical microbiology
QR46.5	Pharmaceutical microbiology

QR63-69.S75	Culture collection, safety measures, quality control, culture technique, microscope technique, antibiotic testing, data processing, DNA probes, enzyme-linked immunosorbant assay, flow cytometry, mass spectrometry, microbiological assay, nuclear magnetic resonance spectroscopy, population counts, staining, sterilization
QR73-74.5	Microbial genetics, diversity and variation, development, differentiation, aggregation, cell cycle, microbial populations, molecular microbiology
QR80-81.5	Bacteria Colonies, classification, nomenclature
QR82.E6	Enterobacteriaceae
QR84-96.8	Physiology-growth, nutrition, motility, irritability, interactions, communication, adhesion
QR148	Microbiological chemistry
QR175	Virulence. Pathogenic action in general
QR177	Drug resistance
QR201.I6	Influenza
QR201.L64	Leukemia
QR201.M3	Malaria
QR248	Medical parasitology
QR372.O58-O6	Oncogenic DNA viruses, oncogenic viruses
QR389	Molecular virology
QR394.5-404	DNA viruses, RNA viruses, adenoviruses, coronaviruses, orthomyxoviruses, myxoviruses, paramyxoviruses
QR450-470	Virus structure: size, shape, capsid, envelope, DNA, RNA, protein, enzyme
QR480	Virus-virus interaction
QR482	Virus-host interaction
QR484	Virus-vector interaction
QR500	Viroids
RC118.7	Protozoan diseases, parasitic diseases
RC137	Dengue fever
RC156.A1-160	Malaria: examination, diagnosis, special therapies, antimalarials, artemisinin, quinine, history, by region (Asia & Africa)
RC199.95-200.6.P4	Sexually transmitted diseases/venereal diseases: immunological aspects; molecular diagnosis, serum diagnosis, special therapies, penicillin
RC256-282	Neoplasms. Tumors. Oncology: pathology, therapeutics
RC268-269	Cancer and other malignant neoplasms: prevention, chemoprevention, endocrine aspects, genetic aspects, carcinogenesis, radiation carcinogenesis
RC270-271	Examination. Diagnosis: cellular therapy, chemotherapy, gene therapy, immunotherapy, radioimmunotherapy
Immunology	
QR182.2.I46	Immunoinformatics
QR182.2.M36	Mathematical models
QR183.5	Immunotechnology
QR183.6	Immunochemistry
QR184.2	Human immunogenetics
QR185.2-185.6	Types of immunity: natural, acquired-immunologic memory, molecular immunology
QR185.8.A-	Immune structures

.8.Z	
QR186-186.87	Immune response
QR187.A3	Antigen-antibody reactions
QR188.35	Immunodeficiency
QR188.4-188.8	Tolerance: immunosuppression, transplantation immunology
QR189-189.5.V5	Vaccines, synthetic vaccines, vaccines by disease type (AIDS, influenza, malaria, virus diseases)
QR201.A-Z	Pathogenic microorganisms. By disease A-Z: bacterial diseases, tumors/cancers, influenza, leukemia, malaria, parasitic diseases, virus diseases
QR340	Microorganisms of microorganisms: bacteriophages
RM270	Immunotherapy
	Pathology
RB37-56.5	Clinical pathology. Laboratory technique: Chemical examination, molecular diagnosis, DNA probes, fluorescence in situ hybridization, polymerase chain reaction
RB110-150	Manifestations of disease: inflammation. Suppuration, disorders of growth, hypertrophy, hyperplasia, etc., pathology of the blood, disorders of metabolism
RB151	Theories of disease. Etiology. Pathogenesis
RB171-214	Special factors in the production of disease