



Classification Codes that can be used when searching for biomedical & biophysics content in Inspec

- A8700** **Biophysics, medical physics, and biomedical engineering**
(see also B75...)
- A8710** **General, theoretical, and mathematical biophysics**
inc. logic of biosystems, quantum biology, and relevant aspects of thermodynamics,
Information theory, cybernetics, and bionics
(see also C1290L Applications of systems theory to biology and medicine)
1977-. 1969-1976, use A8700
- A8715** **Molecular biophysics**
(see also A3620... Macromolecules and polymer molecules)
- A8715B** Biomolecular structure, configuration, conformation, and active sites
- A8715D** Physical chemistry of biomolecular solutions and condensed states
1977-. 1969-1976, use A8715
- A8715H** Biomolecular dynamics, molecular probes, molecular pattern recognition
1973-. 1969-1972, use A8715
- A8715K** Biomolecular interactions, charge transfer complexes
1977-. 1969-1976, use A8715
- A8715M** Interactions with radiations at the biomolecular level
inc. luminescence, EPR and NMR
1973-. 1969-1972, use A8715
- A8715P** Model reactions in molecular biophysics
1977-. 1969-1976, use A8715
- A8716** **Biothermics**
- A8720** **Membrane biophysics**
- A8720C** General theory of biophysical interfaces
inc. practical models
1977-. 1969-1976, use A8720
- A8720E** Natural and artificial biomembranes
inc. immobilized enzymes
1977-. 1969-1976, use A8720
- A8725** **Cellular biophysics**

- A8725B** Bioenergetics
inc. photosynthesis
1973-. 1969-1972, use A8725
- A8725D** Biological transport; cellular and subcellular transmembrane physics
1973-. 1969-1972, use A8725
- A8725F** Physics of subcellular structures
1973-. 1969-1972, use A8725
- A8728** **Bioelectricity**
for bioelectric phenomena in neurophysiology, see A8730C
- A8730** **Biophysics of neurophysiological processes**
- A8730C** Electrical activity in neurophysiological processes
- A8730E** External and internal data communications, nerve conduction and synaptic transmission
inc. neuromuscular transmission and muscular contraction
1977-. 1969-1976, use A8730
- A8730G** Brain models
inc. memory storage and memorization
1977-. 1969-1976, use A8730
- A8732** **Physiological optics, vision**
- A8732C** Anatomy and optics of the eye
1977-. 1969-1976, use A8732
- A8732E** Physiology of the eye; nerve structure and function
inc. eye movements
- A8732J** Eye modulation transfer
1977-. 1969-1976, use A8732
- A8732L** Vision: light detection, adaptation and discrimination
1977-. 1969-1976, use A8732
- A8732N** Colour vision: detection, adaptation and discrimination
- A8732Q** Scales for light and colour detection in vision
1977-. 1969-1976, use A8732, A8732N
- A8732S** Psychophysics of vision, visual perception, binocular vision
- A8734** **Audition**
- A8734B** Auditory effects of noise
(see also A4350)
2005-. 1969-2004, use A8734

- A8734D** Otoacoustic emissions
2005-. 1969-2004, use A8734
- A8734F** Auditory prostheses and hearing aids
inc. cochlear implants
(see also B7520E)
2005-. 1969-2004, use A8734, A8770J
- A8736** **Speech and biocommunications**
(see also A4370 Speech communication)
- A8738** Mechano- and chemio-ceptions
inc. somatosensory phenomena; biosonic generation, detection and guidance
1973-. 1969-1972, use A8700
- A8740** **Biomagnetism**
for MCG and MEG, see also A8760D, A8770E
1973-. 1969-1972, use A8700
- A8745** **Biomechanics, biorheology, biological fluid dynamics**
(see also E2150)
1973-. 1969-1972, use A8700
- A8745B** Mechanical properties of tissues and organs
1977-. 1973-1976, use A8745; 1969-1972, use A8700
- A8745D** Physics of body movements
1977-. 1973-1976, use A8745; 1969-1972, use A8700
- A8745F** Rheology of body fluids
1977-. 1973-1976, use A8745; 1969-1972, use A8700
- A8745H** Haemodynamics, pneumodynamics
1973-. 1969-1972, use A8700
- A8750** **Biological effects of radiations**
inc. effects of fields
- A8750B** Interactions of biosystems with radiations
inc. acoustic wave and light propagation, scattering etc
1977-. 1969-1976, use A8750
- A8750C** Bioacoustics (sonic and ultrasonic effects on living matter)
- A8750E** Bio-optics (effects of microwaves, light, laser and other electromagnetic waves)
- A8750G** Biological effects of ionizing radiations (UV, X-ray, gamma-ray; particle radiation effects)
- A8760** **Medical and biomedical uses of fields, radiations, and radioactivity; health physics**
(see also A2880... Radiation technology in nuclear engineering, B7510..., B7520C)
- A8760B** Sonic and ultrasonic radiation (medical uses)

- A8760D** Electric and magnetic fields (medical uses)
inc. MCG and MEG
1977-. 1969-1976, use A8760
- A8760F** Optical and laser radiation (medical uses)
inc. fibre optics, infrared and ultraviolet applications
1999-. 1995-1998, use A8760F, A8760G; 1969-1994, use A8760G
- A8760G** Microwaves and other electromagnetic waves (medical uses)
for optical and laser radiation, see A8760F; for NMR, see A8760I; for X-rays and Gamma-rays, see A8760J, A8760K
- A8760I** Medical magnetic resonance imaging and spectroscopy
inc. EPR and NMR
1995-. 1969-1994, use A8760G
- A8760J** X-rays and particle beams (medical uses)
for nuclear medicine, see A8760K
- A8760K** Nuclear medicine, emission tomography
inc. PET and SPECT
1995-. 1969-1994, use A8760J
- A8760L** Preparation of radioactive materials for medical and biomedical uses
1977-. 1969-1976, use A8760J
- A8760M** Radiation dosimetry in medical physics
(see also B7530B Radiation protection and dosimetry)
- A8760P** Radiation protection in medical physics
inc. radiation monitoring
(see also B7530B Radiation protection and dosimetry)
- A8760R** Radioactive pollution and natural radioactivity: health aspects
(see also A8670... Environmental science)
1973-
- A8765** **Aerospace biophysics and medical physics (effects of accelerations, weightlessness and environment)**
(see also A8180 Reduced gravity experiments)
1977-. 1969-1976, use A8700
- A8770** **Biomedical engineering**
(see also A8783 Nanotechnology applications in biomedicine, B75...)
- A8770E** Patient diagnostic methods and instrumentation
(see also A8760... Medical and biomedical uses of fields, radiations and radioactivity, B7510...)
for electrodiagnostics, see A8770F
- A8770F** Electrodiagnostics and other electrical measurement techniques
inc. ECG, EEG, electric impedance imaging and related techniques (both diagnostic and nondiagnostic)
(see also B7510D)
1995-. 1969-1994, use A8770E

- A8770G** Patient care and treatment
(see also B7520...)
for radiation therapy, see A8770H
- A8770H** Radiation therapy
inc. laser surgery
(see also A8760... Medical and biomedical uses of fields, radiations and radioactivity,
B7520C)
1995-. 1969-1994, use A8770G
- A8770J** Prosthetics and other practical applications
(see also B7520E, C3385..., E2150)
for auditory prostheses and hearing aids, see also A8734F
- A8770M** Biomedical materials
inc. tissue engineering
2005-. 1973-2004, use A8745..., A8770J; 1969-1972, use A8700
- A8780** **Biophysical instrumentation and techniques**
- A8780B** Biosensors
(see also B7230J)
for biomedical aspects, see also A8770...
1995-. 1969-1994, use A8780
- A8780S** Genomic techniques
2009-
- A8780U** Proteomic techniques
2009-
- A8783** **Nanotechnology applications in biomedicine**
for nanofabrication methods, see also A8116...; for manufacturing and production
aspects, see E1520P
2005-
- A8790** **Other topics in biophysics, medical physics, and biomedical engineering**
1977-. 1969-1976, use A87...
- B1370** **Industrial and medical applications of microwaves**
(see also B7310N Microwave measurement; B7510L Microwaves for medical
measurement/imaging; B7520C Radiation therapy)
For microwave heating, see also B8540C
1999-
- B4360H** Biological and medical applications of lasers
(see also A8760F)
For biomedical measurement/imaging applications, see also B7510J; for radiation
therapy, see also B7510j; for radiation therapy, see B7520C
1999-. 1969-1998, use B4360
- B7500** **Medical physics and biomedical engineering**
inc. biological engineering
(see also A87...)
for medical equipment and supplies industry, see also E3654

- B7510** **Biomedical measurement and imaging**
(see also A8760..., A8770...)
- B7510B** Radiation and radioactivity applications in biomedicine
inc. acoustic, EM and particle radiations, MCG, MEG, and NMR
(see also A8760...)
1969-1998
1999-, use B7510...
- B7510D** Bioelectric signals
inc. ECG, EEG, electric impedance imaging and related techniques
- B7510F** Biomagnetic signals
inc. MCG, MEG and related techniques
1999-. 1969-1998, use B7510B
- B7510H** Sonic and ultrasonic radiation (biomedical imaging/measurement)
1999-. 1969-1998, use B7510B
- B7510J** Optical and laser radiation (biomedical imaging/measurement)
inc. fibre optics and infrared imaging
1999-. 1969-1998, use B7510B
- B7510L** Microwaves and other electromagnetic waves (biomedical imaging/measurement)
for optical and laser radiation, see B7510J; for NMR, see B7510N; for X-rays and
gamma-rays., see B7510P, B7510R
1999-. 1969-1998, use B7510B
- B7510N** Biomedical magnetic resonance imaging and spectroscopy
inc. EPR and NMR
1999-. 1969-1998, use B7510B
- B7510P** X-ray techniques: radiography and computed tomography (biomedical
imaging/measurement)
inc. digital radiography and fluoroscopy
1999-. 1969-1998, use B7510B
- B7510R** Nuclear medicine, emission tomography
inc. PET and SPECT
1999-. 1969-1998, use B7510B
- B7520** **Patient care and treatment**
(see also A8770G)
- B7520C** Radiation therapy
inc. laser surgery
(see also A8760...)
- B7520E** Prosthetics and orthotics
inc. sensory aids
(see also A8770J, C3385C)
- B7520H** Aids for the handicapped
1988-

- B7530 Health Physics**
inc. hazards from electric and magnetic fields
(see also E0240H)
1973-. 1969-1972, use B7500
- B7530B** Radiation protection and dosimetry
(see also A2880) Radiation technology; A8760M Radiation dosimetry; A8760P
Radiation protection)
- B7540 Hospital Engineering**
1977-. 1969-1976, use B7500
- B7550 Biomedical communication**
inc. telemetry, telemedicine and PACS
(see also B6210... Telecommunication applications)
1999-. 1969-1998, use B75...
- B7580 Biological engineering and techniques**
(see also a8780 Biophysical instrumentation and techniques)
2013-. 1969-2012, use B75...
- B7950L** Chemical and biological systems (military and defence)
(see also B7230J Biosensors; B7230L Chemical Sensors; B7320T Chemical
variables measurement; b7580 Biological engineering and techniques)
2013-. 1969-2012, use B79...
- C1290L** Systems theory applications in biology and medicine
(see also A8710 General, theoretical, and mathematical biophysics)
- C3385 Biological and medical control systems**
- C3385C** Prosthetic and orthotic control systems
(see also A8770J, B7520E)
- C4280 Biocomputing theory**
for techniques, see C5285
2005-. 1969-2004, use C4290
- C5285 Biocomputing techniques**
(see also B2230B Biomolecular electronics)
For theoretical aspects, see C4280
2005-.
- C7140 Medical administration**
(see also D2060)
- C7330 Biology and medical computing**
inc. biomedical engineering, botany, ecology and zoology
- C7850 Computer assistance for persons with handicaps**
(see also B7520H)
1992-. 1969-1991, use C7890
- D2060 Health care applications of IT**
(see also C7140)
1983-

- E0250H** Health and safety aspects
(See also B0160; B7530; D0140)
- E2150** **Biomechanics (mechanical engineering)**
inc. prosthetic engineering
(see also A8745; A8770J; B7520E
2005-.
- E3626A** Pharmaceutical industry
1993-
- E3628** **Biotechnology industry**
1987-.
- E3654** **Medical equipment and supplies industry**
(see also B75... Medical physics and biomedical engineering)
for pharmaceutical industry, see E3626A