

Biosystematic and Concept Codes and Names in File 5, BIOSIS Previews®

Biosystematic Classification or Super Taxa Name (BC=). Biosystematic codes are five-digit codes that represent higher taxonomic categories of organisms discussed in a source document, such as phylum, class, order, or family. A code is assigned for each organism. Each biosystematic code appears with the corresponding biosystematic name. Multiple codes are assigned to citations to identify all organisms studied. Biosystematic Codes are indexed as a complete phrase and can be selected using BC= prefix:

```
? SELECT BC=86215

      S1 4288723 BC=86215 HOMINIDAE

? TYPE S1/BC

1/BC/1
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DESCRIPTORS:
Common Taxonomic Terms: Bacteria; Eubacteria; Microorganisms; Carnivores;
Nonhuman Vertebrates; Nonhuman Mammals; Animals; Chordates; Humans;
Mammals; Primates; Vertebrates
Biosystematic Codes:
85765 Canidae
06702 Enterobacteriaceae
85770 Felidae
86215 Hominidae
```

If the form of entry in the BC= index is unknown, use the EXPAND command to verify the form of entry. The appropriate entry can be selected from the index, e.g.,

```
? EXPAND BC=85825

Ref   Items  Index-term
E1    4579  BC=85815 DELPHINIDAE
E2    273   BC=85820 ESCHRICHTIDAE
E3    556   *BC=85825 MONODONTIDAE
E4    1074  BC=85830 PHYSETERIDAE
E5    273   BC=85835 PLATANISTIDAE
E6    418   BC=85840 ZIPHIIDAE
E7    3577  BC=85845 CHIROPTERA
E8    296   BC=85850 DESMODONTIDAE
E9    318   BC=85855 EMBALLONURIDAE
E10   17    BC=85860 FURIPTERIDAE
E11   314   BC=85865 HIPPOSIDERIDAE
E12   139   BC=85870 MEGADERMATIDAE

? SELECT E3

      S2      556  BC='85825'  MONODONTIDAE
```

? TYPE S2/BC

2/BC/1

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DESCRIPTORS:

Common Taxonomic Terms: Animals; Cetaceans; Chordates; Mammals; Nonhuman Vertebrates; Nonhuman Mammals; Vertebrates

Biosystematic Codes:

85825 Monodontidae

Truncation may be used to retrieve a range of codes that begin with the same digits, e.g., SELECT BC=751?. However, some biosystematic code number ranges may include more than one category of organisms and some categories of organisms may be defined by more than one group of biosystematic codes.

Super Taxa. In addition to the five-digit biosystematic codes, broad groups of organisms, covering a range of biosystematic codes, may be searched using the BC= prefix. These major organism groupings are listed below:

Algae	Echinoderms	Nonvascular Plants
Amphibians	Edentates	Pangolins
Angiosperms	Elephants	Perissodactyls
Animals	Eubacteria	Pinnipeds
Annelids	Fish	Plants
Archaeobacteria	Fungi	Platyhelminths
Arthropods	Gymnosperms	Positive Sense
Artiodactyls	Helminths	Single-Stranded
Aschelminths	Humans	RNA Viruses
Bacteria	Hyracoids	Primates
Bats	Insectivores	Prions
Birds	Insects	Protochordates
Bryophytes	Invertebrates	Protozoans
Carnivores	Lagomorphs	Pteridophytes
Cetaceans	Mammals	Reptiles
Chelicerates	Marsupials	Rodents
Chordates	Microorganisms	Satellites
Crustaceans	Mollusks	Single-Stranded
Cyanobacteria	Monocots	DNA Viruses
DNA and RNA Reverse	Monotremes	Sirenians
Transcribing Viruses	Myriapods	Spermatophytes
Dermoptera	Negative Sense	Subviral Agents
Dicots	Single-Stranded	Vascular Plants
Double-Stranded	RNA Viruses	Vertebrates
DNA Viruses	Nonhuman Mammals	Viroids
Double-Stranded	Nonhuman Primates	Viruses
RNA Viruses	Nonhuman Vertebrates	

To obtain a list of Super Taxa names online, enter the command HELP BIOCODES.

? **SELECT BC=FISH**

S3 187967 BC=FISH

? **TYPE S3/TI,BC**

3/TI,BC/1

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On the junior subjective synonyms of Coullia Hamond, 1973 (Copepoda, Harpacticoida, Laophontidae): an update and key to species and related genera

DESCRIPTORS:

Common Taxonomic Terms: Animals; Arthropods; Crustaceans; Invertebrates

Biosystematic Codes:

75110 Copepoda

BIOSYSTEMATIC NAME (BN=). BIOSIS identifies the major taxonomic categories by name as well as by numeric code. They are phrase-indexed. A particular phylum, class, order, or family of organisms, fossils, or other paleontological subjects may be SELECTed directly by using the BN= prefix, e.g.,

? **SELECT BN=HAMAMELIDACEAE**

S4 1154 BN=HAMAMELIDACEAE

? **TYPE S4/TI,BC**

4/TI,BC/1

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Effects of plant essential oils and components from Oriental sweetgum (Liquidambar orientalis) on growth and morphogenesis of three phytopathogenic fungi

DESCRIPTORS:

Common Taxonomic Terms: Gymnosperms; Angiosperms; Dicots; Spermatophytes;

Vascular Plants; Fungi; Microorganisms; Nonvascular Plants; Plants

Biosystematic Codes:

25590 Araliaceae

15100 Ascomycetes

25102 Coniferopsida

26070 Fagaceae

15500 Fungi Imperfecti or Deuteromycetes

26150 **Hamamelidaceae**

26230 Labiatae

26430 Myrtaceae

15900 Phycomycetes

Use EXPAND on BN= to view indexing and SELECT the appropriate E Reference numbers.

Biosystematic Names are displayable with DE or BC tags.

CONCEPT CODE (CC=). The concept code index includes approximately 600 five-digit codes representing broad subject concepts in the fields of biological and biomedical sciences. Multiple codes are assigned to items to assure representation of each concept discussed in the original article. Concept Codes are indexed as a complete phrase and can be selected using CC= prefix:

```
? SELECT CC=22014

      S5   65713  CC=22014  PHARMACOLOGY-DIGESTIVE SYSTEM

? TYPE S5/TI,CC

5/TI,CC/1
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Possibility as Monosaccharide Laxative of Rare Sugar Alcohols

Concept Codes:
12512 Pathology - Therapy
14004 Digestive system - Physiology and biochemistry
14006 Digestive system - Pathology
22002 Pharmacology - General
22014 Pharmacology - Digestive system
```

If the form of entry in the CC= index is unknown, use EXPAND to verify the form of entry. The appropriate entry can be selected from the index, e.g.,

```
? EXPAND CC=10515

Ref   Items  Index-term
E1    47842  CC=10510 BIOPHYSICS-BIOENERGETICS: ELECTRON TRANSPORT AND
E2    102319 CC=10511 BIOPHYSICS-BIOENGINEERING
E3    147071 *CC=10515 BIOPHYSICS-BIOCYBERNETICS
E4    178856  CC=106
E5     2857  CC=10602 EXTERNAL EFFECTS-GENERAL
E6    36781  CC=10604 EXTERNAL EFFECTS-LIGHT AND DARKNESS
E7     8995  CC=10606 EXTERNAL EFFECTS-PRESSURE
E8     7844  CC=10608 EXTERNAL EFFECTS-SONICS AND ULTRASONICS
E9    22538  CC=10610 EXTERNAL EFFECTS-ELECTRIC, MAGNETIC AND GRAVITATI
E10   35370  CC=10612 EXTERNAL EFFECTS-PHYSICAL AND MECHANICAL EFFECT
E11   31921  CC=10614 EXTERNAL EFFECTS-TEMPERATURE AS A PRIMARY VARIABLE
E12   21063  CC=10616 EXTERNAL EFFECTS-TEMPERATURE AS A PRIMARY VARIABLE
E13   26619  CC=10618 EXTERNAL EFFECTS-TEMPERATURE AS A PRIMARY VARIABLE

? SELECT E3

      S6   147071  CC='10515'  BIOPHYSICS-BIOCYBERNETICS
```

```
? TYPE S6/TI,CC

6/TI,CC/1
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Reliability of Evaluation for Communication Competency in Pharmaceutical
Objective Structured Clinical Examination (OSCE)

Concept Codes:
04500 Mathematical biology and statistical methods
07006 Behavioral biology - Animal communication
10515 Biophysics - Biocybernetics
```

Concept codes have been cascaded to the three-digit level for broad retrieval. SELECTing a three-digit code retrieves all five-digit codes that begin with the specified three digits. For example, SELECT CC=240 retrieves all codes covering Neoplasms, including all subheadings, such as CC=24007 (Neoplasms – Carcinogens and Carcinogenesis) and CC=24008 (Neoplasms – Therapeutic Agents and Therapy).

A concept code may be SELECTed in combination with subject terms or Biosystematic Codes or names to define a search topic, e.g.,

```
? S CELL?(W)BIOLOGY/DE AND CC=02502

2230040 CELL?/DE
1840088 BIOLOGY/DE
1113607 CELL?/DE(W)BIOLOGY/DE
265570 CC=02502 CYTOLOGY-GENERAL
S7 249823 CELL?(W)BIOLOGY/DE AND CC=02502

? TYPE S7/TI,DE,CC/1

7/TI,DE,CC/1
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Plasticity of epithelial cell shape in response to upstream signals: A
whole-organism study using transgenic Hydra

Registry Numbers: 180033-16-3: enhanced green fluorescent protein
DESCRIPTORS:
Major Concepts: Cell Biology; Development
Biosystematic Names: Cnidaria--Invertebrata, Animalia
Organisms: Hydra vulgaris (Cnidaria)--transgenic, strain-AEP
Organisms: Parts Etc: cytoskeleton--skeletal system; ectodermal epithelial
cell
Common Taxonomic Terms: Animals; Invertebrates
Chemicals & Biochemicals: Wnt pathway; enhanced green fluorescent
protein {eGFP}--expression
Miscellaneous Terms: Concept Codes: phenotypic plasticity; cell shape
regulation; positional signal; rnmorphogenesis; cell shape determination
Concept Codes:
02502 Cytology - General
02506 Cytology - Animal
18004 Bones, joints, fasciae, connective and adipose tissue - Physiology
and biochemistry
25502 Development and Embryology - General and descriptive
64008 Invertebrata: comparative, experimental morphology, physiology and
pathology - Cnidaria
```

CONCEPT NAME (CN=). The concept name is the actual heading or phrase corresponding to a specific concept code. Concept Names are phrase-indexed and can be retrieved directly by entering the entire phrase using the CN= prefix, e.g.,

```
? SELECT CN=BIOPHYSICS - BIOENGINEERING

      S8 102319 CN=BIOPHYSICS - BIOENGINEERING

? TYPE S8/TI,CN

8/TI,CN/1
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Cartilage engineering: a crucial combination of cells, biomaterials and biofactors

Concept Codes:
10511 Biophysics - Bioengineering
17504 Muscle - Physiology and biochemistry
18004 Bones, joints, fasciae, connective and adipose tissue - Physiology and biochemistry
18006 Bones, joints, fasciae, connective and adipose tissue - Pathology
```

EXPAND on the CN= field to view indexing and SELECT appropriate E Reference numbers.

The corresponding concept code is displayed with each concept name.

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