

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

## C12 BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING

(NOTES omitted)

## C12R PROCESSES USING MICROORGANISMS

### NOTE

The basis for the bacteria terminology is "Bergey's Manual of Determinative Bacteriology", Eighth Edition, 19/75.

### WARNINGS

1. The following IPC indexing groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

[C12R 1/92-C12R 1/94](#)

covered by

[C12R 1/91, C12N 2710/00 - C12N 2795/00](#)

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

|             |                                       |       |  |
|-------------|---------------------------------------|-------|--|
| <b>1/00</b> | <b>Processes using microorganisms</b> | 1/25  | . . . Lactobacillus plantarum                  |
| 1/01        | . using bacteria or actinomycetales   | 1/26  | . . Methylomonas                               |
| 1/02        | . . Acetobacter                       | 1/265 | . . Micrococcus                                |
| 1/025       | . . Achromobacter                     | 1/27  | . . . Micrococcus flavus                       |
| 1/03        | . . Actinomadura                      | 1/28  | . . . Micrococcus glutamicus                   |
| 1/04        | . . Actinomyces                       | 1/285 | . . . Micrococcus lysodeikticus                |
| 1/045       | . . Actinoplanes                      | 1/29  | . . Micromonospora                             |
| 1/05        | . . Alcaligenes                       | 1/30  | . . . Micromonospora chalybeata                |
| 1/06        | . . Arthrobacter                      | 1/31  | . . . Micromonospora purpurea                  |
| 1/065       | . . Azotobacter                       | 1/32  | . . Mycobacterium                              |
| 1/07        | . . Bacillus                          | 1/325 | . . . Mycobacterium avium                      |
| 1/075       | . . . {Bacillus thuringiensis}        | 1/33  | . . . Mycobacterium fortuitum                  |
| 1/08        | . . . Bacillus brevis                 | 1/34  | . . . Mycobacterium smegmatis                  |
| 1/085       | . . . Bacillus cereus                 | 1/35  | . . Mycoplasma                                 |
| 1/09        | . . . Bacillus circulans              | 1/36  | . . Neisseria                                  |
| 1/10        | . . . Bacillus licheniformis          | 1/365 | . . Nocardia                                   |
| 1/11        | . . . Bacillus megaterium             | 1/37  | . . Proteus                                    |
| 1/12        | . . . Bacillus polymyxa               | 1/38  | . . Pseudomonas                                |
| 1/125       | . . . Bacillus subtilis               | 1/385 | . . . Pseudomonas aeruginosa                   |
| 1/13        | . . Brevibacterium                    | 1/39  | . . . Pseudomonas fluorescens                  |
| 1/14        | . . Chainia                           | 1/40  | . . . Pseudomonas putida                       |
| 1/145       | . . Clostridium                       | 1/41  | . . Rhizobium                                  |
| 1/15        | . . Corynebacterium                   | 1/42  | . . Salmonella                                 |
| 1/16        | . . . Corynebacterium diphtheriae     | 1/425 | . . Serratia                                   |
| 1/165       | . . . Corynebacterium poinsettiae     | 1/43  | . . . Serratia marcescens                      |
| 1/17        | . . . Corynebacterium pyogenes        | 1/44  | . . Staphylococcus                             |
| 1/18        | . . Erwinia                           | 1/445 | . . . Staphylococcus aureus                    |
| 1/185       | . . Escherichia                       | 1/45  | . . . Staphylococcus epidermidis               |
| 1/19        | . . . Escherichia coli                | 1/46  | . . Streptococcus; {Enterococcus; Lactococcus} |
| 1/20        | . . Flavobacterium                    | 1/465 | . . Streptomyces                               |
| 1/21        | . . Haemophilus                       | 1/47  | . . . Streptomyces albus                       |
| 1/22        | . . Klebsiella                        | 1/48  | . . . Streptomyces antibioticus                |
| 1/225       | . . Lactobacillus                     | 1/485 | . . . Streptomyces aureofaciens                |
| 1/23        | . . . Lactobacillus acidophilus       | 1/49  | . . . Streptomyces aureus                      |
| 1/24        | . . . Lactobacillus brevis            | 1/50  | . . . Streptomyces bikiniensis                 |
| 1/245       | . . . Lactobacillus casei             | 1/51  | . . . Streptomyces candidus                    |

|       |                               |   |
|-------|-------------------------------|---|
| 1/52  | . . .                         | <i>Streptomyces chartreusis</i>         |
| 1/525 | . . .                         | <i>Streptomyces diastatochromogenes</i> |
| 1/53  | . . .                         | <i>Streptomyces filipinensis</i>        |
| 1/54  | . . .                         | <i>Streptomyces fradiae</i>             |
| 1/545 | . . .                         | <i>Streptomyces griseus</i>             |
| 1/55  | . . .                         | <i>Streptomyces hygroscopicus</i>       |
| 1/56  | . . .                         | <i>Streptomyces lavendulae</i>          |
| 1/565 | . . .                         | <i>Streptomyces lincolnensis</i>        |
| 1/57  | . . .                         | <i>Streptomyces noursei</i>             |
| 1/58  | . . .                         | <i>Streptomyces olivaceus</i>           |
| 1/585 | . . .                         | <i>Streptomyces platensis</i>           |
| 1/59  | . . .                         | <i>Streptomyces rimosus</i>             |
| 1/60  | . . .                         | <i>Streptomyces sparosgenes</i>         |
| 1/61  | . . .                         | <i>Streptomyces venezuelae</i>          |
| 1/62  | . .                           | <i>Streptosporangium</i>                |
| 1/625 | . .                           | <i>Streptovercillium</i>                |
| 1/63  | . .                           | <i>Vibrio</i>                           |
| 1/64  | . .                           | <i>Xanthomonas</i>                      |
| 1/645 | . using fungi                 |   |
| 1/65  | . .                           | <i>Absidia</i>                          |
| 1/66  | . .                           | <i>Aspergillus</i>                      |
| 1/665 | . . .                         | <i>Aspergillus awamori</i>              |
| 1/67  | . . .                         | <i>Aspergillus flavus</i>               |
| 1/68  | . . .                         | <i>Aspergillus fumigatus</i>            |
| 1/685 | . . .                         | <i>Aspergillus niger</i>                |
| 1/69  | . . .                         | <i>Aspergillus oryzae</i>               |
| 1/70  | . . .                         | <i>Aspergillus ustus</i>                |
| 1/71  | . . .                         | <i>Aspergillus wentii</i>               |
| 1/72  | . .                           | <i>Candida</i>                          |
| 1/725 | . . .                         | <i>Candida albicans</i>                 |
| 1/73  | . . .                         | <i>Candida lipolytica</i>               |
| 1/74  | . . .                         | <i>Candida tropicalis</i>               |
| 1/745 | . .                           | <i>Cephalosporium</i>                   |
| 1/75  | . . .                         | <i>Cephalosporium acremonium</i>        |
| 1/76  | . . .                         | <i>Cephalosporium coeruleum</i>         |
| 1/765 | . . .                         | <i>Cephalosporium crotocinigenum</i>    |
| 1/77  | . .                           | <i>Fusarium</i>                         |
| 1/78  | . .                           | <i>Hansenula</i>                        |
| 1/785 | . .                           | <i>Mucor</i>                            |
| 1/79  | . .                           | <i>Paecilomyces</i>                     |
| 1/80  | . .                           | <i>Penicillium</i>                      |
| 1/81  | . . .                         | <i>Penicillium brevi</i>                |
| 1/82  | . . .                         | <i>Penicillium chrysogenum</i>          |
| 1/825 | . . .                         | <i>Penicillium notatum</i>              |
| 1/83  | . . .                         | <i>Penicillium patulum</i>              |
| 1/84  | . .                           | <i>Pichia</i>                           |
| 1/845 | . .                           | <i>Rhizopus</i>                         |
| 1/85  | . .                           | <i>Saccharomyces</i>                    |
| 1/86  | . . .                         | <i>Saccharomyces carlsbergensis</i>     |
| 1/865 | . . .                         | <i>Saccharomyces cerevisiae</i>         |
| 1/87  | . . .                         | <i>Saccharomyces lactis</i>             |
| 1/88  | . .                           | <i>Torulopsis</i>                       |
| 1/885 | . .                           | <i>Trichoderma</i>                      |
| 1/89  | . using algae                 |   |
| 1/90  | . using protozoa              |   |
| 1/91  | . using viruses or cell lines |   |