

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.

1/00	Processes using microorganisms	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 hygrosopicus</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>Streptovorticillium</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	