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STN Database Summary Sheet

Derwent Biotechnology Resource (BIOTECHDS: Subscriber File; BIOTECHABS: Non-subscriber File) covers the worldwide literature on all aspects of biotechnology, from genetic manipulation through biochemical engineering and fermentation to downstream processing. About 30% of the database cites patent publications. In addition to bibliographic information records contain Derwent's abstract and controlled term indexing.

For file crossover to WPIDS, WPIX, or WPINDEX; the Derwent Accession Number is available in all BIOTECHDS patent records.

Subject Coverage

- Agriculture
- Biocatalysis
- Biochemical Engineering
- Bioinformatics methodologies, databases, hardware, and software
- Cell Culture
- Chemistry: Physicochemical and Biological Assays relevant to
- Biotechnological Processes
- Downstream Processing
- Food Additives and SCP
- Fuels produced by Fermentation or Similar Processes
- Genomics and proteomics, including pharmacogenomics, expression profiling, ESTs and SNPs, and high throughput screening
- Microbiology: Genetics and Fermentation
- Pharmaceuticals produced by Microorganisms and Enzymatic Synthesis
- Other Chemicals produced by Microorganisms and Enzymatic Synthesis
- Tissue culture and engineering products, processes and applications
- Waste Disposal

Sources

- Conference contributions
- Journals
- Patents

File Data

- 1982 to the present
- More than 445,118 citations (7/08)
- Updated weekly
- Automatic current-awareness searches (SDIs) may be run every 2 weeks (every two weeks is the default)

User Aids

- BIOTECHABS/BIOTECHDS Database Description
- Derwent Biotechnology Resource Introduction (available from the producer)
- Derwent Biotechnology Resource User Guide (available from the producer)
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Database Producer/Supplier

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customer@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp

BIOTECHDS**Search and Display Field Codes**

There are no fields that allow left truncation in this file.

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains single words from TI, AB and CT, and enzyme commission numbers)	None (or /BI)	S PRODUCTION OF CARBOCYCLIC NUCLEOSIDES S EC-3.1.1.3 S LIPASE(L)CARBOXYLESTERASE	TI, AB, CT
Accession Number	/AN	S 92-14434/AN S 2002-00517/AN	AN
Application Country	/AC	S EP/AC(S)1992/AY	AI
Application Date (1)	/AD	S EP/AC(S)20 FEB 1992/AD	AI
Application Number (2)	/AP	S 92EP-0250036/AP S EP92-250036/AP	AI
Application Year (1)	/AY	S 1991-1992/AY(S)FR/AC	AI
Author (Inventor)	/AU	S BAINES B S/AU S BAINES, B S/AU	AU
Classification Code (code and/or text)	/CC (/CCEN)	S K/CC AND GLAXO/CS S K2/CC AND EP/PC	CC
Controlled Term (3)	/CT	S SOIL DECONTAMINATION/CT	CT
Corporate Source (Patent Assignee) (3)	/CS	S GRANADA-GENET?/CS S "GRANADA-GENET."/CS	CS, PA
Document Type (code and text)	/DT	S K/CC AND P/DT	DT
Entry Date (1)	/ED (/UP)	S JOURNAL/DT AND SOIL DECONTAMINATION/CT S JAN 2002<ED<MAR 2002	Not displayed
Enzyme Commission Number International (Standard) Document Number	/EC /ISN	S EC-3.1.1.3/EC AND US/PC S EMTED2/ISN S 0141-0229/ISN	AB, CT, EC, TI SO
Inventor	/IN	S ADAMS J?/IN	AU
Journal Title	/JT	S DNA CELL BIOL./JT	JT, SO
Language (code and text)	/LA	S DE/LA AND L10 S L7 AND ENGLISH/LA	LA
Location (4)	/LO	S GLAXO RESEARCH/LO	LO
Other Source (5)	/OS	S 92-333672/OS	OS
Patent Assignee (3)	/PA	S PREUSSAG/PA S PROTEIN-DESIGN-LABS/PA	PA
Patent Country	/PC	S EP/PC (S) 2001/PY S UNITED KINGDOM/PC	PI
Patent Number (2)	/PN	S EP-507421/PN S EP507421/PN S EP0507421/PN	PI
Priority Country	/PRC	S BE/PRC(S)1991/PRY S UNITED STATES/PRC	PRAI
Priority Date (1)	/PRD	S 18 FEB 1991/PRD	PRAI
Priority Date, First (1)	/PRDF	S MARCH 1992/PRDF(S)JP/PRC	PRAI
Priority Number (2)	/PRN	S 91EP-0200379/PRN S EP91-200379/PRN	PRAI
Priority Year (1)	/PRY	S 1990-1991/PRY	PRAI
Priority Year, First (1)	/PRYF	S 1990-1991/PRYF(S)BE/PRC	PRAI
Publication Date (1)	/PD	S 8 AUG 2001/PD (S) EP/PC	PI
Publication Year	/PY	S 2000-2001/PY (L) EMTED2/SO	PI, PY, SO
Source (contains journal title, CODEN, collation and meeting information)	/SO	S ENZYME MICROB/SO S (DECHEMA(S)CONF?)/SO	SO
Title	/TI	S DECONTAMINATION OF SOIL/TI	TI

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Numbers are searchable in DERWENT and STN format.

(3) Search with implied (S) proximity is available in this field.

(4) Search with implied (L) proximity is available in this field.

(5) Contains the WPIDS/WPINDEX accession number.

July 2008

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 PA TI. The fields are displayed or printed in the order requested.

Hit-term highlighting is for all fields except EC, ADT, FDT Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB AI (AP) (1) AN (2) AU (IN) CC (CCEN) (2) CS CT (2) DT (TC) (2) EC (3) ISN (3) JT(3) LA (2) LO LS (3) LS2 (3) OS (2) PA (CS) PI (PN) (1) PRAI (PRN) (1) PY (2) SO TI (2)	Abstract Application Information Accession Number Author (Inventor) Classification Code Corporate Source Controlled Term Document Type Enzyme Commission Number International Standard (Document) Number (CODEN and ISSN) Journal Title Language Location Legal Status (from the INPADOC database) Legal Status (from the INPADOC database), detailed version with display headers Other Source Patent Assignee Patent Information Priority Information Publication Year Source Title	D TI PA AB D AI PI D AN D TI AU D CC D AU CS D CT D DT D EC D ISN D JT D LA D LO D LS D LS2 D OS D PA D PI PRAI D PRAI D PY D SO D TI CT
ABS ALL BIB CBIB DALL FAM (1) IALL IBIB IND (2) TRIAL (TRI, SAM) (2)	AN, AB AN, TI, AU, CS, PA, LO, SO, PI, AI, PRAI, DT, LA, OS, AB, CC, CT AN, TI, AU, CS, PA, LO, SO, PI, AI, PRAI, DT, LA, OS (BIB is the default) AN, compressed bibliography ALL, delimited for post-processing Family Information from the Derwent World Patents Index (PI, ADT, FDT, PRAI) ALL, but indented with text labels BIB, but indented with text labels AN, CT, CC AN, TI, CC, CT	D ABS D ALL D D CBIB D DALL D FAM D IALL D IBIB 1-3 D L3 IND D TRI TOTAL
HIT KWIC OCC (2)	Fields containing hit terms Hit terms with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and fields in which they occur	D HIT D KWIC NOH D OCC

(1) Application, priority and patent numbers are available in DERWENT and STN format. The format for DISPLAY, PRINT, SELECT and SORT is controlled by the Messenger SET PATENT command. The STN format is default. 'SET PAT DERWENT' changes (permanently) to the DERWENT format. To change to the STN format again, enter 'SET PAT STN'.

(2) No online display fee for this format.

(3) Custom display only.

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Controlled Term (/CT) Thesaurus

All relationship codes can be used with both the SEARCH and EXPAND commands in the Controlled Term (/CT) field.

Code	Content	Example
ALL	All Associated Terms (BT, SELF, USE, UF, EXA, TNA, SNA, EC, RT, OLD, NEW, NT, KT)	E FUNGICIDE+ALL/CT
AUTO (1)	Automatic Relationship (SELF, USE, UF, OLD, NEW, TNA, SNA, EC)	S FERMENTER+AUTO/CT
BT	Broader Terms (BT, SELF)	E BENOMYL+BT/CT
HIE	Hierarchy Terms (Broader and Narrower Terms) (BT, SELF, NT)	E PROTEASE+HIE/CT
KT	Keyword Terms (KT, SELF)	E ENZYME+KT/CT
NT	Narrower Terms (SELF, NT)	S FUNGICIDE+NT/CT
RT	Related Terms (SELF, RT)	E PESTICIDE+RT/CT
STD	Standard Terms (BT, SELF, NT, RT)	E DINOSEB+STD/CT
USE	Preferred Terms (SELF, USE)	S FERMENTER+USE/CT

(1) Automatic Relationship is SET OFF. When SET REL is ON, the result of EXPAND or SEARCH without any relationship code is the same as described for AUTO.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers or an L-number containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y (2)	N
Accession Number	AN	Y	N
Application Country	AC	Y	Y
Application Date	AD	Y	Y
Application Information (3)	AI	Y (4)	Y
Application Number (3)	AP	Y	Y
Application Year	AY	Y	Y
Author	AU	Y	Y
Classification Code	CC	Y	Y
	CCEN	Y (5)	Y
CODEN	CODEN	N	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Document Type	DT	Y	Y
Enzyme Commission Number	EC	Y (6)	Y
International Standard (Document) Number	ISN	Y (7)	Y
International Standard Serial Number	ISSN	N	Y
Inventor	IN	Y (8)	Y
Journal Title	JT	Y	Y
Language	LA	Y	Y
Location	LO	Y	Y
Other Source	OS	Y	Y

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Patent Assignee	PA	Y	Y
Patent Country	PC	Y	Y
Patent Date	PD	Y	Y
Patent Information (3)	PI	Y (9)	Y
Patent Number (3)	PN	Y	Y
Priority Country	PRC	Y	Y
Priority Information (3)	PRAI	Y (10)	Y
Priority Date	PRD	Y	Y
Priority Date, First	PRDF	Y	Y
Priority Number (3)	PRN	Y	Y
Priority Year	PRY	Y	Y
Priority Year, First	PRYF	Y	Y
Publication Year	PY	Y	Y
Source	SO	Y (11)	Y
Title	TI	Y (default)	Y
Treatment Code	TC	Y (12)	Y

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT AU.
(2) Appends /BI to the terms created by SELECT.
(3) SELECTed, ANALYZEd, and SORTed application, priority and patent numbers are in the format set by the SET PATENT command, either DERWENT or STN.
(4) Selects or analyzes application number with /AP appended to the terms created by SELECT.
(5) Appends /CC to the terms created by SELECT.
(6) SELECT HIT and ANALYZE HIT are not valid with this field.
(7) Selects or analyzes CODEN and ISSN with /ISN appended to the terms created by SELECT.
(8) Appends /AU to the terms created by SELECT.
(9) Selects or analyzes patent number with /PN appended to the terms created by SELECT.
(10) Selects or analyzes priority number with /PRN appended to the terms created by SELECT.
(11) Select or analyzes ISSN and CODEN with /SO appended to the terms created by SELECT.
(12) Appends /DT to the terms created by SELECT

BIOTECHDS**Sample Records****DISPLAY IALL**

ACCESSION NUMBER: 2002-00370 BIOTECHDS
TITLE: DNA-support coupling for transcription factor purification.
Comparison of aldehyde, cyanogen bromide and
N-hydroxysuccinimide chemistries;
transcription factor-IIIA purification by affinity
chromatography
AUTHOR: Chockalingam P S; Gadgil H; *Jarrett H W
CORPORATE SOURCE: Univ.Tennessee
LOCATION: Department of Biochemistry, University of Tennessee, 858
Madison Avenue, Memphis, TN 38163, USA.
Email: hjarrett@utmem.edu
SOURCE: J.Chromatogr.; (2002) 942, 1-2, 167-75
CODEN: JOCRAM
ISSN: 0021-9673
DOCUMENT TYPE: Journal
LANGUAGE: English
ABSTRACT: Transcription factor-IIIA was purified on internal control
region DNA coupled to aldehyde-silica, and results were
compared with those obtained CNBr-activated Sepharose and
Bio-Rad Affi-Gel 10. Affi-Gel provides mixed-mode
chromatography, with both ionexchange and affinity modes.
Coupling DNA to aldehyde-silica is advantageous in that it
has no ionexchange properties and performed as well as DNA
coupled to CNBr-activated Sepharose. Purification of lac
repressor on aldehyde-silica, and CAAT enhancer binding
protein on Affi-Gel also showed the advantages of a neutral
adsorbent and the disadvantages of mixed-mode chromatography
for transcription factor purification. Aldehyde-silica
couples to alkylamines and to the amines of adenine,
guanosine and cytosine nucleoside bases. Reaction occurs
with single- and (less efficiently) double-stranded DNA.
Affinity adsorbents based on stable aldehyde chemistry
display high specificity and combine high binding and loading
capacity with good reproducibility. Since CNBr chemistry has
not yet been applied to silica adsorbents, aldehyde-silica
coupling is currently the most attractive method for DNA
affinity HPLC. (21 ref)
CLASSIFICATION: THERAPEUTICS, Protein Therapeutics; BIOMANUFACTURING AND
BIOCATALYSIS, Downstream Processing
CONTROLLED TERMS: TRANSCRIPTION FACTOR-IIIA PURIFICATION, AFFINITY
CHROMATOGRAPHY, HPLC, DNA-ALDEHYDE SILICA ADSORBENT PROTEIN
PURIFICATION (VOL.21, NO.1)

DISPLAY ALL FAM

AN 2002-00518 BIOTECHDS
TI In vitro modification of cardiac valvular xenografts; pig heart valve
xenograft, tissue engineering and transplantation in human for
graft-versus-host disease and inflammation therapy
AU Chen R H; Adams D H
PA Brigham+Women's-Hosp.Boston
LO Boston, MA, USA.
PI WO 2001064847 7 Sep 2001
AI WO 2001-US6240 28 Feb 2001
PRAI US 2000-185747 29 Feb 2000
DT Patent
LA English
OS WPI: 2001-514839 [56]
AB A new method (M1) of preparing a heart valve for transplantation into a
patient is new and involves removing the heart valve from a donor animal,
culturing the heart valve in vitro for a period of time sufficient to
reduce antigens inducing inflammation upon transplantation, and
implanting the cultured heart valve into the patient. Also claimed are:
a heart valve produced by M1; a heart valve obtained from a donor animal
(e.g. pig) for transplantation into a human, where the heart valve
expresses less than 10%, preferably less than 1%, of the major
histocompatibility complex class-II antigens normally found in the valve
immediately after removal from the donor animal; and preserving a heart
valve for transplantation into a patient involves surgically removing the
heart valve from a donor animal and preserving it by freezing or chemical
treatment, the improvement involves incubating the heart valve in vitro
for a period of time sufficient to reduce antigens inducing inflammation
upon transplantation. The method is useful for obtaining heart valves
that have a reduced tendency to cause inflammation upon transplantation
into a human patient. (8pp)
CC THERAPEUTICS, Tissue Culture/Engineering; DISEASE, Cardiovascular System
CT PIG HEART VALVE XENOGRAFT, TISSUE ENGINEERING, XENOTRANSPLANTATION IN
HUMAN, APPL. GRAFT-VERSUS-HOST DISEASE, INFLAMMATION THERAPY MAMMAL
ANIMAL TISSUE CULTURE TRANSPLANTATION (VOL.21, NO.1)
PI WO 2001064847 A2 20010907 (200156)* EN 8p C12N005-06
RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
W: CA JP
US 2001032015 A1 20011018 (200166) A61F002-24
ADT WO 2001064847 A2 WO 2001-US6240 20010228; US 2001032015 A1 Provisional US
2000-185747P 20000229, US 2001-793400 20010227
PRAI US 2000-185747P 20000229; US 2001-793400 20010227

BIOTECHDS**EXPAND in CT Thesaurus**

=> E FUNGICIDE+ALL/CT

E1	11792	BT1	ANTIBIOTIC/CT
E2	373	BT2	AGRICULTURE/CT
E3	5985	BT1	pesticide/CT
E4	2781	-->	FUNGICIDE/CT
E5	11	UF	antifungal/CT
E6	34	UF	antimicrobial/CT
E7	0	UF	antimycotic/CT
E8	1	UF	fungistatic/CT
E9	21	NT1	AMPHOTERICIN/CT
E10	12	NT1	AZASERINE/CT
E11	8	NT1	BAFILOMYCIN/CT
E12	46	NT1	BENOMYL/CT
E13	9	NT1	BLASTICIDIN-S/CT
E14	3	NT1	BUTALACTIN/CT
E15	2	NT1	DAPIRAMYCIN/CT
E16	1	NT1	DEHYDROIVAXILLIN/CT
E17	15	NT1	DINOSEB/CT
E18	13	NT1	EMODIN/CT
E19	12	NT1	GRISEOFULVIN/CT
E20	40	NT1	ITURIN/CT
E21	3	NT1	LYDICAMYCIN/CT
E22	5	NT1	METALAXYL/CT
E23	67	NT1	NIKKOMYCIN/CT
E24	1	NT1	NITROSO FUNGIN/CT
E25	36	NT1	NYSTATIN/CT
E26	25	NT1	OLIGOMYCIN/CT
E27	389	NT1	PENTACHLOROPHENOL/CT
E28	12	NT1	SINEFUNGIN/CT
E29	0	NT1	VIRIDOFULVIN/CT
E30	0	KT	FUNGICIDE RESISTANCE/CT
*****	END	*****	