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by Chemical Abstracts Service.

STN Database Summary Sheet

BIOTECHNO (BIOTECHNOBASE) is a bibliographic database providing comprehensive international coverage of scientific, technological, and professional biotechnology literature, from fundamental research to industrial applications.

BIOTECHNO provides coverage from a core list of 280 journals relevant to biotechnology. Additional journals are indexed on the basis of selected coverage.

Citations contain bibliographic data, indexing, drug trade names and their manufacturers, medical device trade names and manufacturers, CAS Registry Numbers[®], and an abstract.

Subject Coverage

- Agriculture
- Development of Novel Therapeutics
- Environmental Science
- Food Science
- Forensic Science
- Medicine & Health Care
- Microbial Biotechnology
- Pharmaceuticals & Pharmacology
- Textiles

Sources

- Journals
- Books
- Conference Proceedings

File Data

- 1980 through 2003
- 1,776,726 records (1/04)
- This file is no longer updated

User Aids

- List of Journals Indexed (available from the producer)
- Online Helps (HELP DIRECTORY lists all help messages available)
- STNGUIDE

Database Producer

North America:
Elsevier B. V.
Bibliographic Databases
360 Park Avenue West
New York, NY 10010-1710
Phone: 888-437-4636
212-633-3730
Fax: 212-633-3680
E-mail: usinfo@embase.com

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9-15 Higashi-Azabu 1-chome
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Fax: (+81)-3-5561-5047
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Elsevier B. V.
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1000 AE Amsterdam
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E-mail: ebd-marketing@elsevier.com

Database Supplier

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In Japan
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STN Japan
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6-25-4 Honkomagome, Bunkyo-ku
Tokyo 113-0021, Japan
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+81-3-5978-3621 (Customer Service)
Fax: +81-3-5978-3600
E-mail: helpdesk@jaici.or.jp (Technical Service)
cas-stn@jaici.or.jp (Customer Service)
Internet: www.jaici.or.jp

BIOTECHNO**Search and Display Field Codes**

The fields that allow left truncation are marked with an asterisk (*).

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the abstract (AB), chemical name (CN), corporate name (CO), controlled term (CT), gene number (GEN), trade name (TN), and title (TI) fields, as well as CAS Registry Numbers) (1)	None (or /BI)	S ZINC FINGER PROTEIN? S 147-85-3 S PROLINE S ?ISOMER? (L) METABOLITE	AB, CN, CO, CT, GEN, RN, TN, TI
Accession Number	/AN	S 1999:29304189/AN	AN
Author	/AU	S MANCHESTER, L C/AU	AU
Chemical Name (2) (chemical name and Drug Trade Name)	/CN	S COTAZYM 65B/CN S ANTITHROMBIN/CN	CN, RN
Company Name (Corporate Name) (Drug Manufacturer, Device Manufacturer) (2)	/CO	S SIGMA/CO S SIGMA AUSTRALIA/CO S NEPHEW SMITH/CO	CO
Controlled Term* (1) (includes major term)	/CT	S CELL GROWTH/CT S ?MYCIN?/CT S *VIRUS/CT	CT
Controlled Word	/CW	S MUTATION/CW	CT
Corporate Source (2)	/CS	S PFIZER/CS S UNIV ARIZ?/CS	CS
Country (of publication) (ISO code and text)	/CY	S L1 AND NETHERLANDS/CY S L1 AND NL/CY	CY
Document Type (code and text)	/DT (or /TC)	S B/DT S BOOK/DT	DT
E-mail (2)	/EML	S REITER UTHSCSA/EML	CS, EML
Entry Date (3)	/ED (or /UP)	S L1 AND ED <= FEB 2000	ED
Field Availability	/FA	S GEN/FA	Not displayed
Gene Number	/GEN	S (Y13253 (S) SUBMITTED NUMBER)/GEN	GEN
Geographic Term	/GT	S UNITED STATES/GT	GT
International Standard (Document) Number (contains CODEN, ISSN, and ISBN)	/ISN	S 0022-2836/ISN S 0195091590/ISN S JMOBAK/ISN	ISN, SO
Journal Title (contains full and abbreviated titles)	/JT	S JOURNAL OF BIOCHEMISTRY/JT S J BIOCHEM/JT	JT, SO
Language (ISO code and text)	/LA	S DE/LA S GERMAN/LA	LA
Meeting Date (3)	/MD	S 3 SEP 1999/MD	MD, SO
Meeting Location (2)	/ML	S SYDNEY/ML AND DIABETES/MT	ML, SO
Meeting Title	/MT	S THYROID CELL SYSTEM/MT	MT, SO
Meeting Year (3)	/MY	S 1998-1999/MY	MY, SO
Publication Date (3)	/PD	S PD=19990401	PD, SO
Publication Year (3)	/PY	S PY>=1999	PY, SO
Publisher (2)	/PB	S ANN ARBOR SCIENCE/PB	PB, SO
Publisher Item Identifier	/PUI	S 0003682X96000674/PUI	PUI
Reference Count (3)	/REC (or /RE.CNT)	S L1 AND REC <=10	REC, SO
Source (contains journal titles, other higher level titles, publisher and place of publication, meeting information, collation information (volume, issue, pages), CODEN, ISSN, ISBN, reference count, and publication year)	/SO	S GENOMICS/SO AND 1999/PY S AJPAA4/SO S (AM J PATHOL AND 155 AND 6)/SO	SO

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Summary Language (ISO code and text)	/SL	S GERMAN/SL S DE/SL	SL
Title (4)	/TI	S MODELLING BIODEGRADATION/TI	TI
Trade Name (chemical name, Drug Trade Name, and Device Trade Name)	/TN	S ACTRAPID/TN S FASTRACKER 10/TN	CN, RN, TN
Word Count, Title (3)	/WC.T	S WC.T <=15 AND L7	WC.T

- (1) In addition to right truncation, simultaneous left and right truncation are available in this field. At least 4 characters need to be used for the length of the stem.
- (2) Search with implied (S) proximity is available in this field.
- (3) Numeric search field that may be searched with numeric operators or ranges.
- (4) Titles of higher level, e.g., the title of a book in a record of a book article, are searchable in /SO.

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 1-10 TI AU. The fields are displayed or printed in the order requested.

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

Format	Content	Examples
AB	Abstract	D AB 1-5
AN (1)	Accession Number	D AN
AU	Author	D AU
CN (1)	Chemical Name (includes RN)	D CN 1 3
CO (1)	Company Name (Corporate Name)	D CO
CS	Corporate Source	D CS
CT (1)	Controlled Term	D CT L1 2-5
CY (1)	Country (of publication)	D CY
DT (TC) (1)	Document Type	D DT
ED (UP) (1,2)	Entry Date	D ED
EML (2)	E-mail Address	D EML 2,4
GEN (1)	Gene Number	D CT, GEN
GT (1,2)	Geographic Term	D GT
ISN (2)	International Standard (Document) Number	D ISN
JT (2)	Journal Title, Full and Abbreviated	D JT
JTA (2)	Journal Title, Abbreviated	D JTA
JTF (2)	Journal Title, Full	D JTF
LA (1)	Language	D LA, SL
MD (2)	Meeting Date	D MD
ML (1,2)	Meeting Location	D ML, MT
MT (2)	Meeting Title	D MT
MY (2)	Meeting Year	D MY
PB (2)	Publisher	D PB
PD (2)	Publication Date	D PD
PUI	Publisher Item Identifier	D PUI SO
PY (2)	Publication Year	D PY
REC (1,2) (RE.CNT)	Reference Count	D REC
RN (1)	CAS Registry Number	D RN 1,3-5
SL (1)	Summary Language	D SL
SO	Source	D SO TI
TI (1)	Title	D TI
TN (1)	Trade Name (includes CN)	D TN
WC.T (1,2)	Word Count, Title	D WC.T

BIOTECHNO**DISPLAY and PRINT Formats (cont'd)**

Format	Content	Examples
ABS ALL BIB DALL IALL IBIB IND (1) SCAN (1,3) TRIAL (TRI, SAMPLE, SAM FREE) (1,4)	AN, AB AN, TI, AU, CS, SO, PUI, DT, CY, LA, SL, AB, CT, RN, CN, TN, CO, GEN AN, TI, AU, CS, SO, PUI, DT, CY, LA, SL (BIB is the default) ALL, delimited for post-processing ALL, indented with text labels BIB, indented with text labels AN, CT, RN, CN, TN, CO, GEN TI, CT (random display without answer numbers) AN, TI, CT	D ABS D ALL D BIB D DALL D IALL D IBIB D IND D SCAN D FREE TOTAL
HIT KWIC OCC (1)	Fields containing hit terms Hit terms with 20 words on either side (KeyWord-In-Context) Number of occurrences of hit terms and field in which they occur	D HIT D KWIC NOH D OCC

(1) No online display fee for this format.

(2) Custom display only.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

(4) FREE is not available for print.

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers 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
Author	AU	Y	Y
CAS Registry Number	RN	Y (2)	Y
CAS Registry Number and Chemical Names	CHEM	Y (3)	N
Chemical Name	CN	Y (6)	Y
	NAME	Y (7)	N
Citation	CIT	Y (4,5)	N
	RE	Y (4,5)	N
CODEN	CODEN	N	Y
Company Name (Corporate Name)	CO	Y	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Country (of publication)	CY	Y	Y
Document Type	DT	Y	Y
E-mail Address	EML	Y	Y
Entry Date	ED	Y	Y
Genbank Number	GENBANK	Y (2)	N
	GBN	Y (2)	N

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Gene Number	GEN	Y	Y
Geographic Term	GT	Y	Y
International Standard Book Number	ISBN	N	Y
International Standard (Document) Number	ISN	Y (8)	Y
International Standard Serial Number	ISSN	N	Y
Journal Title, Full and Abbreviated	JT	Y	Y
Journal Title, Abbreviated	JTA	Y (9)	Y
Journal Title, Full	JTF	Y (9)	Y
Language	LA	Y	Y
Meeting Date	MD	Y	Y
Meeting Location	ML	Y	Y
Meeting Title	MT	Y	Y
Meeting Year	MY	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Publisher	PB	Y	Y
Publisher Item Identifier	PUI	Y	Y
Reference Count	REC	Y	Y
	RE.CNT	Y	Y
Source	SO	Y (10)	Y
Summary Language	SL	Y	Y
Title	TI	Y (default)	Y
Trade Name	TN	Y (11)	Y
Treatment Code	TC	Y (12)	Y
Update Date	UP	Y (13)	Y
Word Count, Title	WC.T	Y	Y

- (1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answers set, e.g., SEL HIT CT.
- (2) Appends /BI to the terms created by SELECT.
- (3) Extracts the chemical names, Drug Trade Names, and CAS Registry Numbers and appends /BI to the terms created by SELECT.
- (4) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT.
- (5) SELECT HIT and ANALYZE HIT are not valid with this field.
- (6) Extracts the chemical names and Drug Trade Names and appends /CN to the terms created by SELECT.
- (7) Extracts the chemical names and Drug Trade Names and appends /BI to the terms created by SELECT.
- (8) Extracts the CODEN, ISSN, and ISBN with /ISN appended to the terms created by SELECT.
- (9) Appends /JT to the terms created by SELECT.
- (10) Extracts the CODEN, ISSN, and ISBN with /SO appended to the terms created by SELECT.
- (11) Extracts the chemical names, Drug Trade Names, and Device Trade Names with /TN appended to the terms created by SELECT.
- (12) Appends /DT to the terms created by SELECT.
- (13) Appends /ED to the terms created by SELECT.

BIOTECHNO**Sample Records****DISPLAY IALL**

ACCESSION NUMBER: 1999:29396509 BIOTECHNO
TITLE: Superselective intra-arterial thrombolysis for acute cardioembolic stroke in a child with idiopathic dilated cardiomyopathy: A case report
AUTHOR: Kitzmuller E.; Gruber A.; Marx M.; Schlemmer M.; Wimmer M.; Richling B.
CORPORATE SOURCE: Dr. A. Gruber, Department of Neurosurgery, University of Vienna Medical School, Waehringer Guertel 18-20, A-1090 Vienna, Austria.
SOURCE: Interventional Neuroradiology, (1999), 5/2 (187-194), 48 reference(s)
CODEN: INEUF5 ISSN: 1123-9344
DOCUMENT TYPE: Journal; Article
COUNTRY: Italy
LANGUAGE: English
SUMMARY LANGUAGE: English
ABSTRACT: We describe a case of cardioembolic dominant hemisphere internal carotid artery occlusion in a child with idiopathic dilated cardiomyopathy. The patient was subjected to superselective local intra-arterial thrombolysis using recombinant tissue plasminogen activator (Alteplase; Actilyse.RTM.). In presence of good collateral flow local intra-arterial thrombolysis prevented a major dominant hemisphere ischaemic stroke, although post-interventional computed tomographic scans disclosed haemorrhagic conversion in the left corpus striatum. Forty eight months after ischaemic stroke and thrombolysis the patient is ambulatory with a moderate neurologic deficit.
CONTROLLED TERM: *alteplase; *blood clot lysis; *cerebrovascular accident; *congestive cardiomyopathy; furosemide; spironolactone; dopamine; heparin; digitalis; carnitine; human; case report; male; preschool child; child; internal carotid artery; computer assisted tomography; echocardiography; brain hemorrhage; artery catheterization; heparinization; brain angiography; hemiparesis; intravenous drug administration; article
CAS REGISTRY NUMBER: (alteplase) 105857-23-6; (furosemide) 54-31-9; (spironolactone) 52-01-7; (dopamine) 51-61-6, 62-31-7; (heparin) 37187-54-5, 8057-48-5, 8065-01-8, 9005-48-5; (digitalis) 8031-42-3, 8053-83-6; (carnitine) 461-06-3, 541-15-1, 56-99-5
CHEMICAL NAME: Drug Trade Name: actilyse
TRADE NAME: Device Trade Name: FasTracker 10; FasTracker 10
CORPORATE NAME: Drug Manufacturer: Boehringer Ingelheim, Germany
Device Manufacturer: Boston Scientific, United States; Target, United States

DISPLAY BIB

AN 1999:29512427 BIOTECHNO
TI Age-associated changes in mitochondrial parameters on peripheral human lymphocytes
AU Drouet M.; Lauthier F.; Charmes J.P.; Sauvage P.; Ratinaud M.H.
CS M. Drouet, Equipe Postulante Centre National, Recherche Scientifique 118, Faculte de Medecine, Limoges Cedex, France.
E-mail: drouet@unilim.fr
SO Experimental Gerontology, (1999), 34/7 (843-852), 30 reference(s)
CODEN: EXGEAB ISSN: 0531-5565
PUI S0000000099000583
DT Journal; Article
CY United States
LA English
SL English

DISPLAY IND

AN 1999:30016792 BIOTECHNO
CT *carrier protein; *hydroxymethylglutaryl coenzyme A reductase inhibitor; *liver; *nucleotide sequence; taurocholic acid; prasterone sulfate; thyroid hormone; pravastatin; digoxin; aldosterone; prostaglandin; mevinolin; simvastatin; atorvastatin; amino acid; enzyme specificity; sequence homology; polymerase chain reaction; amino acid sequence; tissue distribution; human; controlled study; human cell; article; priority journal
RN (carrier protein) 80700-39-6; (taurocholic acid) 145-42-6, 59005-70-8, 81-24-3; (prasterone sulfate) 651-48-9; (pravastatin) 81131-74-0; (digoxin) 20830-75-5, 57285-89-9; (aldosterone) 52-39-1, 6251-69-0; (mevinolin) 75330-75-5; (simvastatin) 79902-63-9; (atorvastatin) 134523-00-5, 134523-03-8; (amino acid) 65072-01-7
CO Drug Manufacturer: Parke Davis; Bristol Myers Squibb
GEN GENBANK AF205071 submitted number; GENBANK T73863 referred number