LMEDLINE

Subject Coverage

All areas in the broad field of biomedicine.

File Type

Bibliographic

Features

Thesauri:

Chemical Name (/CN)
Controlled Term (/CT)
MeSH Tree Number (/MN)
The thesauri do not apply to terms in the OLDMEDLINE file segment.

CAS Registry Numbers®	☑	Page Images	☐	STN AnaVist	☐
Keep & Share	☑	SLART	☑	STN Easy	☐
Learning Database	☑	Structures	☐	STN Viewer	☐

Record Content

- **LMEDLINE** is a static training database intended for learning how to use MEDLINE.
- Over 99% of MEDLINE's citations are references to journal articles
- Approximately 50% of the citations contain abstracts
- Records added before 1975 do not have abstracts
- MEDLINE reference data is present in the file
- CAS Registry Numbers are present in the file
- About 75% of MEDLINE's citations represent publication in the English language

File Size

Approximately 17,000 records from OLDMEDLINE and MEDLINE (03/12)

Coverage

Selected from 1948-present

Updates

None

Language

English

Database Producer

U.S. National Library of Medicine (NLM)
8600 Rockville Pike
Bethesda, MD 20894 USA
Phone: 301-594-5983
Phone: 888-346-3656

Sources

- Over 4,780 journal titles published in over 70 countries currently indexed in the full MEDLINE file.
- The full MEDLINE file contains more than 10,300 serial titles.

User Aids	• Medical Subject Headings-ANNOTATED ALPHABETIC LIST (available from the producer) • Medical Subject Headings-TREE STRUCTURES (available from the producer) • PERMUTED Medical Subject Headings (available from the producer) • List of Serials Indexed for Online Users (available from the producer) • STNGUIDE • Online Helps (HELP DIRECTORY lists help messages available)
Clusters	LEARNING STN Database Clusters information (PDF)
Pricing	See the STN Price List or enter HELP COST at an arrow prompt (=>).

Search and Display Field Codes

NLM represents that the databases provided hereunder were formulated with a reasonable standard of care. NLM makes no representations or warranties, expressed or implied, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose, with respect to such databases and specifically disclaims all such warranties and representations. Some material in these databases is from copyrighted publications of the respective copyright claimants. Users of the databases are referred to the publications data appearing in the bibliographic citations, as well as to the copyright notices appearing in the original publication, all of which are hereby incorporated by reference.

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 title (TI), chemical name (CN), gene name (GEN), controlled term (excluding MeSH numbers) (CT), supplementary term (ST), named person (NA), other source (OS), and abstract (AB) fields, as well as CAS Registry Numbers and GenBank® Numbers)	None (or /BI)	S INTERFERON GAMMA S 50-02-2 S GENBANK D64071 S HEART (S) TEST# S ?FERON? S EC3.1.3.13 S GAMMA (S) INTERFERON	AB, CN, CT, GEN, NA, OS, RN, ST, TI
Abstract *	/AB	S ?ASSAY?/AB S RADIOACTIVE TRACER/AB S (LEUKEMIA (S) GLEEVEC)/AB	AB
Accession Number	/AN	S 1965153674/AN S 1998010009/AN	AN
Accession Number of the Cited Reference in MEDLINE	/RAN.MED	S 1967176588/RAN.MED	RE
Author	/AU	S ADAMSON G?/AU	AU
Author Group	/AUTH	S BROOKS A?/AUTH	AUTH
Chemical Name **(1)**	/CN	S NIFEDIPINE/CN S EC 1.11.1.6/CN	CN, RN
Chemical Name Segment * **(1)**	/CNS	S ?FLUOR?/CNS	CN, RN
Cited Reference First Author Name	/RAU	S DEANDRADE A L/RAU	RE
Cited Reference First Author Name, Extended **(13)**	/RAU.EX	S WALKER J M?/RAU.EX	RE
Cited Reference Count **(6)**	/RE.CNT	S 15-20/RE.CNT	RE.CNT
Cited Reference Issue Number	/RIS	S 12/RIS	RE
Cited Reference Page Number	/RPG	S 32/RPG	RE
Cited Reference Publication Year	/RPY	S 2007/RPY	RE
Cited Reference Source Publication	/RSO	S JAMA/RSO	RE
Cited Reference Volume Number	/RVL	S 22/RVL	RE
Cited Reference Source Publication Name	/RWK	S MED ARTS SCI/RWK	RE
Cited References	/RE	S DELPHIA J M?/RE	RE
Cited References, Extended **(13)**	/RE.EX	S WALKER J M?/RE.EX	RE
Citing Reference Count	/OSC.G	S 13/OSC.G	OSC.G
Clinical Trial Numbers	/NCT	S ISRCTN03464021/NCT S NCT00005487/NCT	NCT
Collaborators	/AUCL	S BEGAY JACK/AUCL	AUCL
Comment	/CM	S TOXICOL?/CM	CM
Controlled Term **(2)** (includes main terms)	/CT	S OVARIAN FOLLICLE/CT S (HYPERTENSION(L)BL)/CT S (C14.907.489. (L) TH)/CT S *BRAIN/CT	CT
Corporate Source **(3,4)** (includes Collective Name)	/CS	S (KYUSHU(W)CANCER(W)CENTER)/CS S ROSIGLITAZONE STUDY GROUP/CS	CS
Country of Publication (ISO code and text)	/CY	S L1 AND UNITED STATES/CY S JP/CY	CY
Digital Object Identifier **(12)**	/FTDOI	S 10.11?/FTDOI	DOI, FTDOI
Document Number (contains MEDLINE DN and the PubMed ID number)	/DN	S 9875853/DN S 6000001/DN S 11300629/DN	DN

Search and Display Field Codes (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Document Type (code and text) **(5)**	/DT (or /TC)	S MULTICENTER STUDY/DT S BIO/TC	DT
Email Address **(3)**	/EML	S B.A.BRIDGES@SUSSEX.AC.UK/EML	CS, EML
Entry Date **(6)**	/ED	S ED>20020500	ED
Entry Month **(6)**	/EM	S 199106/EM	EM
Field Availability **(7)**	/FA	S L2 AND AB/FA	Not displayed
File Segment **(8)**	/FS	S L8 AND PRIORITY JOURNALS/FS S B/FS S DIABETES AND OLD/FS S IN-PROCESS/FS S CLINICAL TRIALS.GOV/FS	FS
Gene Name **(3,9)**	/GEN	S C-JUN/GEN	GEN
Group Authors	/AUGR	S DALLAS EVE/AUGR	AUGR
International Standard (Document) Number (contains CODEN, if available, and ISSN)	/ISN	S 8756-8160/ISN	ISN, SO
Journal Title (contains full and abbreviated journal titles)	/JT	S BIOCHEM PHARMACOL/JT S BIOCHEMICAL PHARMACOLOGY/JT	JT, SO
Journal Title Code **(3)**	/JTC	S 0101032/JTC	SO
Language (ISO code and text)	/LA	S GERMAN/LA S RU/LA	LA
MEDLINE Cited References Count **(6)**	/REM.CNT	S 5-10/REM.CNT	REM.CNT
Named Person **(10)**	/NA	S PRIMROSE J/NA	NA
Number of Contract (Grant Number) **(3)**	/NC	S DE07034/NC S NCI/NC	NC
Number of Report **(3)**	/NR	S NASA-00001303/NR S NASA/NR	NR, SO
Other Sources **(3,11)**	/OS	S CLML5936/OS S GENBANK L02896/OS	OS
Publication Date **(6)**	/PD	S 2005 OCT 4/PD	PD, SO
Publication Year **(6)**	/PY	S L1 AND 1990-1992/PY	PY, SO
Source (contains full and abbreviated journal titles, ISSN, CODEN, journal title code, number of report, space flight mission, investigator, and affiliation data, call number, publication year, volume, issue, and pagination)	/SO	S 0006-2952/SO S BIOCHEM PHARMACOL/SO S 7802429/SO S NASA00001303/SO S FLIGHT EXPERIMENT/SO	SO
Title *	/TI	S TOOTH MOVEMENT/TI	TI
Update Date **(6)**	/UP	S UP>20030200 AND L4	ED

(1) CAS Registry Numbers and Enzyme Codes can also be searched in this field. A /CN Thesaurus is available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CN field. XUSE includes both USE and UF terms. When you EXPAND in the /CN field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CN field, they are automatically included in the search.

(2) MeSH Tree Numbers are also searched in this field. (L) proximity is available with Qualifiers. Postings for MeSH Headings do not include narrower terms, while MeSH Tree Numbers do include all narrower levels. /CT and /MN Thesauri are available online. Starting on November 19, 2000, a new relationship, +XUSE, has been defined for EXPAND and SEARCH in the /CT field. XUSE includes both USE and UF terms. When you EXPAND in the /CT field, a message is displayed if additional terms are available by using the +XUSE relationship. If there are additional USE or UF terms available for a search in the /CT field, they are automatically included in the search.

(3) This field is not available for records in the OLDMEDLINE file segment.

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

(5) Both STN standard document types and original NLM publication types (displayed in parenthesis) are searchable separately as bound phrases.

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

(7) The presence of AB, CN, CS, EML, NA, OS, RN, ST fields can be searched in the /FA field; as well as the sections of the structured abstract: Background, Conclusions, Methods, Objective, and Results.

(8) Enter HELP FS at an arrow prompt for definitions of the FS codes.

(9) Data indexed in this field only until 1996.
(10) Subject of biographical or related article.
(11) Enter HELP OS for information on the content of this field.
(12) The EXPAND command is not available for use in this field.
(13) When author's name entered with multiple initials, automatically also searches the author's name with a single initial.

Limiting Search Codes

Only an answer set created in MEDLINE may be limited. L-number answer sets created by as search in the /ED or /UP field may also be limited.

Search Field Name	Search Code	Search Examples
Animal Subject **(1)**	/ANIMAL	S L4/ANIMAL
English-Language Records	/ENG	S L1/MAJ,ENG **(2,3)**
Female Subject **(1)**	/FEMALE	S L3/FEMALE
Human Subject **(1)**	/HUMAN	S L1/HUMAN
Major Descriptor **(1)**	/MAJ	S L1/MAJ
Male Subject **(1)**	/MALE	S L2/MALE

(1) Not available in OLDMEDLINE file segment.
(2) Field codes may be abbreviated to the first three letters.
(3) Answer sets may be limited to more than one area.

Chemical Name (/CN) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Chemical Name (/CN) thesaurus.

The /CN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (SELF, CN, RN, EC, UF, USE, RR, HM, PA, INDX, NOTE, PNTE, RE)	E CHAETOGLOBOSINS+ALL/CN E 86414-29-1+ALL/CN
AUTO **(1)**	Automatic Relationship Code (SELF, USE)	E BROMOACETIC ACID+AUTO/CN
HM	Heading Mapped to (SELF, CN, RN, EC, RR, HM)	E NEOSPORIN+HM/CN
NOTE	Notes associated with the term (SELF, CN, RN, EC, RR, INDX, PA, NOTE, PNTE, RE)	E SERICYSTATIN+NOTE/CN E EC 2.4.1.119+NOTE/CN
PFT	Preferred and Forbidden Terms (SELF, CN, RN, EC, RR, UF, USE)	E COMBRETASTATIN+PFT/CN
RN	CAS Registry Number associated with the name or name associated with a CAS Registry Number (SELF, CN, RN, EC)	S ARGINYLPROLINE+RN/CN E 2418-69-1+RN/CN
RR	Associated CAS Registry Numbers (SELF, CN, RN, EC, RR)	E FLUVALINATE+RR/CN
XUSE	USE and UF terms from the current MeSH	E 6-CHRYSENYLAMINE+XUSE/CN S 6-CHRYSENAMINE+XUSE/CN

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

Field Descriptors for the /CN Thesaurus

Code	Description
-->	Self
CN	Chemical Name and Enzyme Name
EC	Enzyme Commission Numbers
HM	Heading Mapped To
INDX	Indexer Note
NOTE	Scope Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
RE	Reference
RN	CAS Registry Number
RR	Related Registry Numbers
UF	Used For
USE	Use

Controlled Term (/CT) Thesaurus

All Relationship Codes can be used with both the SEARCH and EXPAND command in the Controlled Term (/CT) thesaurus.

The /CT thesaurus contains the current Controlled Terms. MeSH Tree Numbers are searchable terms in the /CT thesaurus.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /CT thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E PEPTIC ULCER+ALL/CT E C6.405.608+ALL/CT
AUTO **(1)**	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E NASAL SINUSES+AUTO/CT E ADV EFF+AUTO/CT
BT	Broader Terms (BT, SELF, MN)	E PREGNANCY TESTS+BT/CT
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, NT)	E RECEPTORS, DRUG+HIE/CT
KT	Keyword Terms (SELF, KT)	S SHOCK+KT/CT
MN	Tree Number and descriptor class (SELF, MN, DC)	E PROSTHESIS FAILURE+MN/CT S NUTRITIONAL STATUS+MN/CT
NOTE	Notes associated with the term (SELF, MN, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E PEPTIC ULCER+NOTE/CT
NT	Narrower Terms (SELF, MN, NT)	S NEURONS+NT/CT
PFT	Preferred and Forbidden Terms (SELF, MN, ENTC, AQ, UF, USE)	E FIBRIN TISSUE ADHESIVE+PFT/CT
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONOTE, QUF)	S ADVERSE EFFECTS+QLF/CT
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E PSYCHOLOGY+QPFT/CT
RT	Related Terms (SELF, MN, RT)	E NEURONS+RT/CT
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, NT, RT)	S SPINAL CORD+STD/CT E PNEUMONIA+STD/CT
UF	Used For (Forbidden Terms) (SELF, MN, UF)	E F1.145.775.+UF/CT E SEX BEHAVIOR+UF/CT
USE	Use (Preferred Terms) (SELF, MN, USE)	E GRAAFIAN FOLLICLE+USE/CT
XUSE	USE and UF terms from the current MeSH	E RADICULITIS+XUSE/CT

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

Field Descriptors for the /CT Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNTE	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use

MeSH Tree Number (/MN) Thesaurus

In the MeSH Tree Number (/MN) Thesaurus, all Relationship Codes can be used only with the EXPAND command.

The /MN Thesaurus does not have any postings. When searching, it is necessary to edit the field code to /CT.

The /CT and /MN Thesauri have the same EXPAND abilities except when expanding MeSH Tree Numbers. The /CT Thesaurus will expand the same Tree Number hierarchy, while the /MN Thesaurus will expand the MeSH terms corresponding to the various MeSH Tree Numbers.

The /MN thesaurus does not apply to the OLDMEDLINE file segment.

Code	Content	Examples
ALL	All associated terms (BT, SELF, MN, MH, EC, DC, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA, UF, USE, QUSE, NT, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF, RT)	E GRANULOMA+ALL/MN E C23.550.382+ALL/MN
AUTO **(1)**	Automatic Relationship Code (Preferred Terms and Qualifiers) (SELF, USE, QUSE)	E PANCREATIC CHOLERA+AUTO/MN
BT	Broader Terms (BT, SELF, MN, MH)	E ILLUSIONS+BT/MN
HIE	Hierarchy (Broader and Narrower Terms) (BT, SELF, MN, MH, NT)	E CHLAMYDIA+HIE/MN E B3.440.190.190.190.+HIE/MN
KT	Keyword Terms (SELF, KT)	E DIET+KT/MN
MN	Tree Number and descriptor class (SELF, MN, MH, DC)	E ABSCESS+MN/MN
NOTE	Notes associated with the term (SELF, MN, MH, NOTE, INDX, ENTC, AQ, PNTE, HNTE, ONTE, MHTH, BXTH, PA)	E SPINAL NERVES+NOTE/MN E A8.800.350.380+NOTE/MN
NT	Narrower Terms (SELF, MN, MH, NT)	E TOOTH+NT/MN
PFT	Preferred and Forbidden Terms (SELF, MN, MH, ENTC, AQ, UF, USE)	E HUMAN ADENOVIRUSES+PFT/MN E B4.909.777.731.589.520+PFT/MN
QLF	Qualifier and associated terms (SELF, AQ, QUSE, QLF, QA, QCAT, QNOTE, QINDX, QHNTE, QONTE, QUF)	E AE+QLF/MN
QPFT	Qualifier Preferred (SELF, QUSE, QLF, QUF)	E METABOLISM+QPFT/MN
RT	Related Terms (SELF, MN, MH, RT)	E TOMOGRAPHY, EMISSION-COMPUTED+RT/MN
STD	Standard (Broader, Narrower, and Related Terms) (BT, SELF, MN, MH, NT, RT)	E ALCOHOLISM+STD/MN E C21.739.100.250.+STD/MN
UF	Used For (Forbidden Terms) (SELF, MN, MH, UF)	E IODIDE PEROXIDASE+UF/MN
USE	Use (Preferred Terms) (SELF, MN, MH, USE)	E OPHTHALMIA+USE/MN
XUSE	USE and UF terms from the current MeSH	E ARSENIC POISONING+XUSE/MN

(1) AUTOMATIC relationship is SET OFF. In case of SET REL ON, the result of EXPAND without any relationship code is the same as described for AUTO.

Field Descriptors for the /MN Thesaurus

Code	Description
-->	Self
AQ	Allowable Qualifier
BT	Broader Term
BXTH	Backwards Cross Reference Thesaurus
DC	Descriptor Class
ENTC	Entry Combination
HNTE	History Note
INDX	Indexer Note
KT	Keyword Terms
MH	MeSH Heading
MHTH	MH Thesaurus
MN	MeSH Tree Number
NOTE	Scope Note, Consider Also Terms
NT	Narrower Term
ONTE	Online Note
PA	Pharmacological Action
PNTE	Previous Indexing Note
QA	Qualifier Abbreviation
QCAT	Allowable Categories
QHNTE	Qualifier History Note
QINDX	Qualifier Indexer Note
QLF	MeSH Qualifier (subheading)
QNOTE	Qualifier Scope Note
QONTE	Qualifier Online Note
QUF	Qualifier Use For
QUSE	Qualifier Use
RT	Related Term
UF	Used For
USE	Use

DISPLAY and PRINT Formats

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

Hit-term highlighting is available in all fields except CM, ED, and PY. Highlighting must be ON to use the HIT, HITIND, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D 1-5 AN, AB
AN **(1)**	Accession Number	D 1-5 AN
AU	Author	D AU TI 2
AUCL	Collaborators	D AUCL
AUGR	Group Authors	D AUGR
CM **(1)**	Comment	D AN CM TI 1-5
CN **(1)**	Chemical Name (enzyme code and name)	D CN, RN 8-10
CS **(1)**	Corporate Source	D CS, AU 10-20
CT **(1)**	Controlled Term (MeSH terms, qualifiers)	D AN CT 1-2
CY **(1)**	Country of Publication (including MeSH Z tree number)	D CY TI
DN **(1)**	Document Number and PubMed ID	D DN
DOI (FTDOI)	Digital Object Identifier	D DOI, D FTDOI
DT **(1)**	Document Type	D DT TI
ED **(1)**	Entry Dates	D ED
EM **(1)**	Entry Month	D TI SO EM
EML **(1,2)**	E-mail Address	D EML
FS **(1)**	File Segment	D FS TI 1-2
GEN **(1)**	Gene Name	D GEN TI 1-2
ISN **(1,2)**	International Standard (Document) Number	D 2 6 ISN
JT **(1,2)**	Journal Title (includes JTA and JTF)	D 1-3 JT
JTA **(1,2)**	Journal Title, Abbreviated	D JTA
JTF **(1,2)**	Journal Title, Full	D JTF
LA **(1)**	Language	D LA TI
NA **(1)**	Named Person (subject of biography or related article)	D AN TI NA
NC **(1)**	Contract/Grant Number	D NC 1-10
NCT	Clinical Trial Numbers	D NCT
NR **(1,2)**	Number of Report	D NR
OS **(1)**	Other Source	D TI SO OS
OSC.G	Citing Reference Count	D OSC.G
PD **(1,2)**	Publication Date	D PY SO
PY **(1,2)**	Publication Year	D PY
RE	MEDLINE Cited References	D RE
RETAB (RETABLE)	MEDLINE Cited References Table	D RETAB
RE.CNT (REC)	Cited References Count	D RE.CNT
REM.CNT	MEDLINE Cited References Count	D REM.CNT
RN **(1)**	CAS Registry Number (Registry Number and chemical name)	D CT RN
SO	Source	D SO TI FS
ST **(1)**	Supplementary Term	D ST
TC **(1,2)**	Treatment Code	D TC
TI **(1)**	Title	D TI 1-10
UP	Update Date	D UP
ABS	AB	D ABS 1-3
ALL	AN, DN, TI, CM, AU, CS, NC, SO, DOI, CY, DT, LA, FS, NCT, OS, EM, ED, AB, ST, CT, RN, CN, NA, GEN, OSC.G, RE.CNT, REM.CNT, RE	D 1-3 ALL
AUTH	AU, AUCL, AUGR	D AUTH
BIB	AN, DN, TI, CM, AU, CS, NC, SO, DOI, CY, DT, LA, FS, NCT, OS, EM, ED, OSC.G, RE.CNT, REM.CNT (BIB is the default)	D 8 BIB
CBIB	Compressed bibliographic information	D 2 CBIB
DALL	ALL, delimited for post-processing	D DALL
IABS	ABS, with a text label	D IAB
IALL	ALL, indented with text labels	D IALL
IBIB	BIB, indented with text labels	D IBIB
IND **(1)**	ST, CT, RN, CN, NA, GEN	D BIB, IND

Display and Print Formats (cont'd)

Format	Content	Examples
RAN.MEDLINE (n) SCAN **(3)** TRIAL (FREE, SAM) **(1)**	Cited Reference(s) display feature (n=cited reference number(s) TI, ST, CT, RN, CN, NA, GEN (random display without answer numbers) TI, CM, ST, CT, RN, CN, NA, GEN	D RAN.MEDLINE (n) D SCAN D TRI
HIT HITIND **(1)** KWIC OCC **(1)**	Fields containing hit terms IND Hit term with 20 words on either side (KeyWord-In-Context) Fields that contain hit terms and number of times they occur	D HIT 5-10 D HITIND D KWIC 5-10 D OCC L3 1-2

(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.

Displaying MEDLINE documents for cited references

Enter the following in the DISPLAY command: L-number for the answer set; answer number (only one may be specified); RAN.MEDLINE(x-y) where (x-y) is the cited reference number, numbers, or range of numbers; and the display format for the document to display, e.g., BIB ABS. For example, to display MEDLINE records for the cited references 1 and 2 from answer 2 in the answer set L5, enter the following:

=> D L5 2 RAN.MEDLINE(1-2) BIB ABS

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
Accession Number	AN	Y	N
Accession Number of the Cited Reference in MEDLINE	RAN.MED	Y	N
Author	AU	Y	Y
Author Group	AUTH	Y	N
CAS Registry Number	RN	Y **(2,3,4)**	N
Chemical Name	CN	Y **(4)**	N
	NAME	Y **(2,4)**	N
Chemical Name and CAS Registry Number	CHEM	Y **(2,4)**	N
Citation	CIT	Y **(4,5)**	N
Cited Reference First Author	RAU	Y	N
Cited Reference Publication Year	RPY	Y	N
Cited Reference Publication Name	RWK	Y	N
Cited References Count	RE.CNT	Y	Y
Citing Reference Count	OSC.G	Y	Y
Clinical Trial Numbers	NCT	Y	Y
Collaborator	AUCL	Y	N
Comment	CM	Y **(10)**	N
Corporate Source	CS	Y	Y
Controlled Term	CT	Y	N
Country of Publication	CY	Y	Y
Document Number	DN	Y **(6)**	Y
Document Type	DT	Y	Y
Email Address	EML	Y	Y
Entry Month	EM	Y	Y
File Segment	FS	Y	Y

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

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
GenBank Number	GENBANK (GBN)	Y **(2,11)**	N
Gene Name	GEN	Y	Y
Group Author	AUGR	Y	N
Hit Cited Reference	HITRE	N	Y
International Standard (Document) Number (ISSN)	ISN	Y **(7)**	N
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Journal Title, Abbreviated	JTA	Y **(8)**	Y
Journal Title, Full	JTF	Y **(8)**	Y
Journal Title Code	JTC	Y	Y
Language	LA	Y	Y
MEDLINE Cited References	RE	Y	N
MEDLINE Cited References Count	REM.CNT	Y	Y
Named Person	NA	Y	Y
Number of Contract	NC	Y	Y
Number of Report	NR	Y	Y
Occurrence Count of Hit Terms	OCC	N	Y
Other Source	OS	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y **(4)**	Y
Source	SO	Y **(9)**	N
Supplementary Term	ST	Y **(2)**	N
Title	TI	Y (default)	Y
Treatment Code	TC	Y	Y
Update Date	UP	Y	N

(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 TI.
(2) Appends /BI to the terms created by SELECT.
(3) Only extracts CAS Registry Numbers.
(4) SELECT HIT and ANALYZE HIT are not valid with this field.
(5) Extracts first author, publication year, volume, and first page with a truncation symbol appended and with /RE appended to the terms created by SELECT. This field can be used for cross-file searching in SCISEARCH® and CAplus℠.
(6) Selects or analyzes MEDLINE's Document Number and the PubMed ID.
(7) Selects or analyzes the ISSN and CODEN.
(8) Appends /JT to the terms created by SELECT.
(9) Selects or analyzes the ISSN, CODEN, and journal code with /SO appended to the terms created by SELECT.
(10) Selects or analyzes the PMID values with /DN appended.
(11) SELECT GENBANK selects GenBank numbers from the OS field.

Sample Records

DISPLAY IALL

```
ACCESSION NUMBER:   2005382307     LMEDLINE
DOCUMENT NUMBER:    PubMed ID: 16040963
TITLE:              Resistance to intestinal Entamoeba histolytica infection is
                    conferred by innate immunity and Gr-1+ cells.
AUTHOR:             Asgharpour Amon; Gilchrist Carol; Baba Duza; Hamano
                    Shinjiro; Houpt Eric
CORPORATE SOURCE:   Division of Infectious Diseases and International Health,
                    MR4 Building, Room 2144, University of Virginia,
                    Charlottesville, VA 22908-1363, USA.
CONTRACT NUMBER:    AI052444-01A1 (United States NIAID NIH HHS)
SOURCE:             Infection and immunity, (2005 Aug) Vol. 73, No. 8, pp.
                    4522-9.
                    Journal code: 0246127. ISSN: 0019-9567. L-ISSN: 0019-9567.
                    Report No.: NLM-PMC1201199.
PUB. COUNTRY:       United States
DOCUMENT TYPE:      Journal; Article; (JOURNAL ARTICLE)
                    (RESEARCH SUPPORT, N.I.H., EXTRAMURAL)
                    (RESEARCH SUPPORT, NON-U.S. GOV'T)
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(RESEARCH SUPPORT, U.S. GOV'T, NON-P.H.S.)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200508
ENTRY DATE: Entered STN: 26 Jul 2005
Last Updated on STN: 27 Aug 2005
Entered Medline: 26 Aug 2005

ABSTRACT:
Establishment of intestinal infection with Entamoeba histolytica depends on the mouse strain; C57BL/6 mice are highly resistant, and C3H/HeJ mice are relatively susceptible. We found that resistance to intestinal infection was independent of lymphocyte activity or H-2 haplotype and occurred in the first hours to days postchallenge according to in vivo imaging. At 18 h postchallenge, the ceca of resistant C57BL/6 mice were histologically unremarkable, in contrast to the severe inflammation observed in susceptible C3H/HeJ mice. Comparison of cecal gene expression in C3H/HeJ and C57BL/6 mice demonstrated that there was parasite-induced upregulation of proinflammatory and neutrophil chemotaxis transcripts and there was downregulation of transforming growth factor beta signaling molecules. Pretreatment with dexamethasone abrogated the partial resistance of C3H/HeJ or CBA mice through an innate, lymphocyte-independent mechanism, but it had no effect on the high-level resistance of C57BL/6 mice. Similarly, administration of a neutrophil-depleting anti-Gr-1 monoclonal antibody (RB6-8C5) decreased the partial resistance of CBA mice and led to severe pathology compared to control antibody-treated mice, but it had no effect on C57BL/6 resistance. These data indicate that there are discrete mechanisms of innate resistance to E. histolytica depending on the host background and, in contrast to other reports, imply that neutrophils are protective and not damaging in intestinal amebiasis.

CONTROLLED TERM: Animals
Anti-Inflammatory Agents: PD, pharmacology
Dexamethasone: PD, pharmacology
*Dysentery, Amebic: IM, immunology
*Entamoeba histolytica: IM, immunology
*Entamoebiasis: IM, immunology
Gene Expression Profiling
H-2 Antigens: IM, immunology
*Immunity, Innate
Immunity, Innate: DE, drug effects
Inflammation: IM, immunology
Inflammation: PS, parasitology
Intestines: IM, immunology
Intestines: PS, parasitology
Lymphocytes: IM, immunology
Mice
Mice, Inbred C3H
Mice, Inbred CBA
Mice, SCID
CAS REGISTRY NO.: 50-02-2 (Dexamethasone)
OS.CITING REF COUNT: 10 There are 10 MEDLINE records that cite this record
CHEMICAL NAME: 0 (Anti-Inflammatory Agents); 0 (H-2 Antigens)
MEDLINE REFERENCE COUNT: 38 There are 38 cited references available in MEDLINE for this document.

REFERENCE(S): CITED REFERENCES AVAILABLE IN MEDLINE
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DISPLAY IALL (OLDMEDLINE File Segment)

```
ACCESSION NUMBER:   1960000001     LMEDLINE
DOCUMENT NUMBER:    PubMed ID: 13680855
TITLE:              Comparison of the protein component of the wild strain of
                    tobacco mosaic virus with that of a temperature mutant.
AUTHOR:             AACH H G
SOURCE:             Zeitschrift fur Vererbungslehre, (1960) Vol. 91, pp. 312-6.
                    Journal code: 0125052. ISSN: 0372-8609.
DOCUMENT TYPE:      Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:           German
FILE SEGMENT:       OLDMEDLINE; NONMEDLINE
ENTRY MONTH:        199811
ENTRY DATE:         Entered STN: 16 Jul 1999
                    Last Updated on STN: 16 Jul 1999
                    Entered Medline: 1 Nov 1998
SUPPLEMENTARY TERM: proteins - chemistry; temperance; viruses - chemistry;
                    viruses - genetics
CONTROLLED TERM:    *Proteins: CH, chemistry
                    *Temperance
                    *Viruses: CH, chemistry
                    *Viruses: GE, genetics
CHEMICAL NAME:      Proteins
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DISPLAY BIB

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AN   2011437038     LMEDLINE
DN   PubMed ID: 21492347
TI   Effectiveness and acceptability of face-to-face, blended and e-learning: a
     randomised trial of orthodontic undergraduates.
AU   Bains M; Reynolds P A; McDonald F; Sherriff M
CS   Department of Orthodontics, King's College London Dental Institute, Guy's
     Hospital, London, UK. manjinderbains@hotmail.com
SO   European journal of dental education : official journal of the Association
     for Dental Education in Europe, (2011 May) Vol. 15, No. 2, pp. 110-7.
     Electronic Publication: 2011-01-31.
     Journal code: 9712132. E-ISSN: 1600-0579. L-ISSN: 1396-5883.
DOI  10.1111/j.1600-0579.2010.00651.x
CY   Denmark
DT   (COMPARATIVE STUDY)
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LMEDLINE

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     Journal; Article; (JOURNAL ARTICLE)
     (RANDOMIZED CONTROLLED TRIAL)
     (CLINICAL TRIAL)
LA   English
FS   Dental Journals
EM   201109
ED   Entered STN: 16 Apr 2011
     Last Updated on STN: 23 Sep 2011
     Entered Medline: 22 Sep 2011
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DISPLAY TRIAL

```
TI   Combination therapy using aspirin-enhanced photodynamic selective drug
     delivery.
CT    Animals
     *Aspirin: PD, pharmacology
     *Blood Vessels: DE, drug effects
      Chick Embryo
      Combined Modality Therapy
      Cyclooxygenase Inhibitors: PD, pharmacology
     *Drug Delivery Systems
      Fluorescein Angiography
      Heparin: PD, pharmacology
      Macular Degeneration: DT, drug therapy
      Macular Degeneration: TH, therapy
      Neoplasms: DT, drug therapy
      Neoplasms: TH, therapy
     *Photochemotherapy: MT, methods
      Photosensitizing Agents: PD, pharmacology
      Porphyrins: PD, pharmacology
RN   129497-78-5 (verteporfin); 50-78-2 (Aspirin); 9005-49-6 (Heparin)
CN   Cyclooxygenase Inhibitors; Photosensitizing Agents; Porphyrins
```

EXPAND in /CN Thesaurus

```
=> E NIFENALOL+ALL/CN
E1           0   -->  nifenalol/CN
E2           0   RN   5054-57-9/CN
E3           0     RR   5302-35-2/CN
                        ((R)-isomer)
E4           0     RR   5302-36-3/CN
                        ((S)-isomer)
E5           0     RR   5704-60-9/CN
                        (mono-HCl(+-)-isomer)
E6           0     RR   7349-37-3/CN
                        (mono-HCl(S)-isomer)
E7           0     RR   7388-03-6/CN
                        (mono-HCl(R)-isomer)
E8           0     RR   7413-36-7/CN
                        ((+-)-isomer)
E9           0     UF   1-(4-nitrophenyl)-2-isopropylaminoethanol/CN
E10          0     UF   inpea/CN
E11          0     UF   nifenalol monohydrochloride, (+-)-isomer/CN
E12          0     UF   nifenalol monohydrochloride, (R)-isomer/CN
E13          0     UF   nifenalol monohydrochloride, (S)-isomer/CN
E14          0     UF   nifenalol, (+-)-isomer/CN
E15          0     UF   nifenalol, (R)-isomer/CN
E16          0     UF   nifenalol, (S)-isomer/CN
                   HM   *Ethanolamines
                   NOTE adrenergic beta-blocker with good antiarrhythmic
                        properties; also tends tolower blood pressure &
                        provide protection against angina; minor
                        descriptor(75-86); on-line & INDEX MEDICUS search
                        ETHANOLAMINES (75-86);  RN given refers to parent cpd
                        without isomeric designation
                   PNTE minor descriptor (75-86); file maintained to
                        ETHANOLAMINES
********** END **********
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EXPAND in /CT Thesaurus

```
=> E PLATELET AGGREGATION INHIBITORS+ALL/CT
E1            0   BT5   D Chemicals and Drugs/CT
E2            0    BT4   Chemical Actions and Uses/CT
E3            0     BT3   Pharmacologic Actions/CT
E4            0      BT2   Therapeutic Uses/CT
E5            0       BT1   Hematologic Agents/CT
E6           31        -->   Platelet Aggregation Inhibitors/CT
E7           31        MN    D27.505.954.502.780./CT
                        DC    an INDEX MEDICUS major descriptor
                        NOTE  Drugs or agents which antagonize or impair any
                              mechanism leading to blood platelet aggregation,
                              whether during the phases of activation and shape
                              change or following the dense-granule release
                              reaction and stimulation of the
                              prostaglandin-thromboxane system.
                        INDX  DF: PLATELET INHIB
                        AQ    AD AE AG AN BL CF CH CL CS CT DU EC HI IM IP ME
                              PD PK PO RE SD ST TO TU UR
                        PNTE  Blood Platelets (1966-1987)
                        PNTE  Platelet Adhesiveness (1972-1987)
                        PNTE  Platelet Aggregation (1976-1987)
                        HNTE  88
                        MHTH  NLM (1988)
E8            0         UF    Agents, Antiplatelet/CT
E9            0         UF    Aggregation Inhibitors, Platelet/CT
E10           0         UF    Antagonists, Blood Platelet/CT
E11           0         UF    Antagonists, Platelet/CT
E12           0         UF    Antiaggregants, Blood Platelet/CT
E13           0         UF    Antiaggregants, Platelet/CT
E14           0         UF    Antiplatelet Agents/CT
E15           0         UF    Antiplatelet Drugs/CT
E16           0         UF    Blood Platelet Aggregation Inhibitors/CT
E17           0         UF    Blood Platelet Antagonists/CT
E18           0         UF    Blood Platelet Antiaggregants/CT
E19           0         UF    Drugs, Antiplatelet/CT
E20           0         UF    Inhibitors, Platelet/CT
E21           0         UF    Inhibitors, Platelet Aggregation/CT
E22           0         UF    PLATELET AGGREGATION INHIB/CT
E23           0         UF    Platelet Antagonists/CT
E24           0         UF    Platelet Antiaggregants/CT
E25           0         UF    Platelet Inhibitors/CT
E26           4         NT1   Alprostadil/CT
E27          26         NT1   Aspirin/CT
E28          11         NT1   Dipyridamole/CT
E29           0         NT1   Disintegrins/CT
E30           7         NT1   Epoprostenol/CT
E31           0         NT1   Iloprost/CT
E32           3         NT1   Ketanserin/CT
E33           2         NT1   Milrinone/CT
E34           4         NT1   Pentoxifylline/CT
E35           2         NT1   S-Nitrosoglutathione/CT
E36           0         NT1   S-Nitrosothiols/CT
E37           0          NT2   S-Nitroso-N-Acetylpenicillamine/CT
E38           2          NT2   S-Nitrosoglutathione/CT
E39           4         NT1   Ticlopidine/CT
E40           1         NT1   Trapidil/CT
********** END **********
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EXPAND in /MN Thesaurus

```
=> E D13.695.900.380.+ALL/MN
E1               BT7   D Chemicals and Drugs/MN
E2                BT6   Carbohydrates/MN
E3                 BT5   Glycosides/MN
E4                BT6   D Chemicals and Drugs/MN
E5                 BT5   Nucleic Acids, Nucleotides, and Nucleosides/MN
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E6                  BT4   Nucleotides/MN
E7                BT7   D Chemicals and Drugs/MN
E8                 BT6   Heterocyclic Compounds/MN
E9                  BT5   Heterocyclic Compounds, 2-Ring/MN
E10                  BT4   Purines/MN
E11                   BT3   Purine Nucleotides/MN
E12               BT7   D Chemicals and Drugs/MN
E13                BT6   Carbohydrates/MN
E14                 BT5   Glycosides/MN
E15                BT6   D Chemicals and Drugs/MN
E16                 BT5   Nucleic Acids, Nucleotides, and Nucleosides/MN
E17                  BT4   Nucleotides/MN
E18                   BT3   Ribonucleotides/MN
E19                    BT2   Guanine Nucleotides/MN
E20                     BT1   Guanosine Triphosphate/MN
E21                 BT5   D Chemicals and Drugs/MN
E22                  BT4   Carbohydrates/MN
E23                   BT3   Glycosides/MN
E24                  BT4   D Chemicals and Drugs/MN
E25                   BT3   Nucleic Acids, Nucleotides, and Nucleosides/MN
E26                    BT2   Nucleotides/MN
E27                  BT4   D Chemicals and Drugs/MN
E28                   BT3   Inorganic Chemicals/MN
E29                  BT4   D Chemicals and Drugs/MN
E30                   BT3   Organic Chemicals/MN
E31                    BT2   Sulfur Compounds/MN
E32                     BT1   Thionucleotides/MN
E33                      -->   D13.695.900.380./MN
E34                      MH    Guanosine 5'-O-(3-Thiotriphosphate)/MN
                         RN    37589-80-3
                         DC    an INDEX MEDICUS major descriptor
                         NOTE  Guanosine 5'-(trihydrogen diphosphate),
                               monoanhydride with phosphorothioicacid. A
                               stable GTP analog which enjoys a variety of
                               physiological actions such as stimulation of
                               guanine nucleotide-binding proteins,
                               phosphoinositide hydrolysis, cyclic AMP
                               accumulation, and activation of specific
                               proto-oncogenes.
                         INDX  /biosyn /physiol permitted
                         AQ    AA AD AE AG AI AN BI BL CF CH CL CS CT DF DU EC
                               GE HI IM IP ME PD PH PK PORE SD SE ST TO TU UR
                         PNTE  Guanosine Triphosphate (1972-1990)
                         PNTE  Thionucleotides (1977-1990)
                         HNTE  91
                         MHTH  NLM (1991)
E35                      UF    GTP gamma S/MN
E36                      UF    GTPgammaS/MN
E37                      UF    GUANOSINE 5 O 3 THIOTRIPHOSPHATE/MN
E38                      UF    Guanosine 5'-(3-O-Thio)Triphosphate/MN
E39                      UF    Guanosine 5'-(gamma-S)Triphosphate/MN
E40                      UF    Guanosine 5'-(trihydrogen diphosphate),
                               P'-anhydride with phosphorothioic acid/MN
E41                      UF    gamma S, GTP/MN
E42                      UF    gamma Thio GTP/MN
E43                      UF    gamma-Thio-GTP/MN
********** END **********
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DISPLAY BIB FOR EPUB AHEAD OF PRINT (NOTE: To manage the content of EPUB AHEAD OF PRINT records in your answer set use: EPUB AHEAD OF PRINT/FS)

AN 2021000196 LMEDLINE (EPUB AHEAD OF PRINT) Full-text
DN PubMed ID: 22291449
TI Oxidative Stress Promotes Hypertension and Albuminuria During the Autoimmune Disease Systemic Lupus Erythematosus.
AU Mathis Keisa W; Venegas-Pont Marcia; Masterson C Warren; Stewart Nicholas J; Wasson Katie L; Ryan Michael J
CS Department of Physiology and Biophysics, University of Mississippi Medical Center, Jackson, MS.
SO Hypertension, (2012 Jan 30) . Electronic Publication: 2012-1-30. Journal code: 7906255. E-ISSN: 1524-4563. L-ISSN: 0194-911X.
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS EPUB AHEAD OF PRINT; NONMEDLINE; NONINDEXED
ED Entered STN: 19 Mar 2012
Last Updated on STN: 19 Mar 2012