双语教学

英汉生物科学与工程词典

曹学君 主编

English-Chinese Dictionary of Bioscience and Bioengineering for Bilingual Teaching





R Q81-61 7

双语教学

英汉生物科学与工程词典

English-Chinese Dictionary of Bioscience and Bioengineering for Bilingual Teaching

曹学君 主编



图书在版编目 (CIP) 数据

双语教学英汉生物科学与工程词典/曹学君主编. 一北京: 化学工业出版社,2006.7 ISBN 7-5025-9115-X

I. 双··· Ⅱ. 曹··· Ⅲ. 生物工程-对照词典-英、汉 Ⅳ. Q81-61

中国版本图书馆 CIP 数据核字 (2006) 第 083919 号

双语教学

英汉生物科学与工程词典

English-Chinese Dictionary of Bio science and Bioengineering for Bilingual Teaching 曹学君 主编 责任编辑:曾照华 夏叶清 责任校对:王素芹 封面设计:胡艳玮

化学工业出版社出版发行 (北京市朝阳区惠新里 3 号 邮政编码 100029) 购书咨询,(010)64982530

(010)64918013

购书传真: (010)64982630 http://www.cip.com.cn

新华书店北京发行所经销 北京永鑫印刷有限责任公司印刷 三河市万龙印装有限公司装订

开本 850mm×1168mm 1/32 印张 11½ 字数 393 千字 2007 年 1 月第 1 版 2007 年 1 月北京第 1 次印刷

ISBN 7-5025-9115-X 定 价: 27.00元

版权所有 违者必究

该书如有缺页、倒页、脱页者,本社发行部负责退换

前 言

当前,高校专业课的双语教学正在逐步推行,并在专业课中要占一定比例,尤其是高新技术专业,双语教学课程要占更大的比重。与此同时,高校的专业英语课也要加强,全面提高学生运用专业英语的能力,以适应全球化的挑战。

编者在生物工程专业英语及双语教学过程中,经常发现许多专业词汇很难查到确切词意,市面的专业英语词汇或词典几乎都没有标注音标。由于专业词汇大多比较长,在没有注音的情况下,往往只是凭过去的发音经验临场发挥,很难正确掌握读音。

基于以上原因,我们编写了这本词典。本词典共收集了生物科学与工程领域较常见的词条 6000 余条,内容涉及发酵工程、生物分离工程、微生物学、生物工程设备、生物反应工程、基因工程、生物化学、动物细胞与组织工程、植物细胞培养、海洋生物工程、微生物药物、酶催化、环境生物工程、生物信息、生物能源、系统生物学、天然产物等领域词汇。医药是生物工程的主要应用领域,本词典也收集了相当数量的与生物工程相关的医药词条,以方便读者查阅。

本词典特色之一是所有词条均标注美语发音音标,方便读者查找及帮助正确发音。有一些词条是根据主要词条衍生出来的,其重复部分不再注音。另外,约有一半的词条加有英文注释,对于正确理解和使用相关词条会有益处。本词典可作为高等院校教师和学生在从事生物工程专业英语或专业课程的双语教学过程中使用,也可供研究生和科研院所的专业技术人员或管理人员查找专业词汇使用。

词典在编写过程中,得到了郝六平、邵志华、周立波、宋庆 荣、赵红宾等同志的帮助,在此一并表示感谢!

由于编者水平和经验有限,加之时间紧,书中难免有错误及疏漏,恳切希望读者在使用过程中多提宝贵意见。

编者 2006年6月

此为试读,需要完整PDF请访问: www.ertongbook.com

凡例

一、收词范围及释义

- 1. 本词汇收录了在生物科学与工程领域中经常见到的单词或词组,内容涉及发酵工程、生物分离工程、微生物学、生物工程设备、生物反应工程、基因工程、生物化学、动物细胞与组织工程、植物细胞培养、海洋生物工程、微生物药物、酶催化、环境生物工程、生物信息、生物能源、系统生物学、天然产物等,词条共6000余条。
- 2. 单词给出了国际音标和词性。重要的、需要解释的词条给出了简明、准确的英文释义,有利于提高师生在双语教学中对该词条的听、说、读及理解等方面的能力。
 - 3. 释义中不同义项中间用逗号","分开。

如: fusant 融合子,融合体。

二、编排及检索

词条按英文字母顺序排列。词条中的阿拉伯数字、符号、空格 均不参加排序。

三、符号说明

- 1. 圆括号() 表示可省略的内容,如:unipotent(细胞)单能性的。
 - 2. 方括号[]
- ① 表示单词的国际音标。如: abioseston ['eibaiəu'sestən] n. 非生物浮聚物。
 - ②表示可替代的部分。如: hyalurate 透明质酸盐 [酯] 四、为方便读者查阅,书后附有中文索引。

目 录

前言								
凡例								
正文	••••	••••	•••••	· • • • • •	• • • • • • •	 •••••		 1
中文》	索引	•••••	• • • • • • •			 • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	 251

aabomycin [næbə'maisin] n. 阿博霉素 abaxial [æb'æksiəl] adj. 轴外的 In botany terminology, it describes a plant part which is on the side or surface of an organ, facing away from the axis.

abiogenesis [neibaiəu'dʒenisis] n. 自然 发生 The scientific study of how life originally arose on the planet, assumably from nonliving things and the presence of nonliving organic matter.

abioseston ['eibaiəu'sestən] n. 非生物 浮聚物

abiotic [eibaitik] adi. 非生物的

in the plastids.

abrin ['eibrin] n. 相思豆毒素
abscisic acid 脱落酸 A lipid hormone which can inhibit cell growth
in plants; it is associated with fruit
drop, leaf death and seed dormancy. It is synthesized by carotenoids

abscission [æb'siʒən] n. 切断,除去
Absidia [æb'sidiə] n. 型头霉属
absolute growth curve 绝对生长曲线
absorb [əb'səːb] n. 吸收
absorbance [əb'səːbəns] n. 吸收率
absorption [əb'səːpʃən] n. 吸收
abstraction [æb'strækʃən] n. 抽提
abzyme [ˈæbzaim] n. 抗体酶

acacia [ə'keifə] n. 阿拉伯树胶 acceleration phase 加速生长期 A period of increasing growth before the log phase in a culture of microbes.

acceptor [ək'septə(r)] n. 受体
acceptor RNA 转移 RNA, 受体 RNA
accessory factor 辅助因子
accumulation [əkju:mju'leif(ə) n] n.
累积

accumulation culture 富集培养 accilular [ei'seljulə] adj. 非细胞的

It describes any organism or tissue that is a mass of protoplasm that is not divided into cells, for example, the hyphae of some fungi.

acentric [a'sentrik] adj. 无中心的
This term denotes a chromosome or
chromatid which lacks a centromere.

acetaminophen [iæsi¹tæminəfən] n. 对 乙酰氨基酚 This white compound is known as an fever reducer, but it is also used to make azo dyes and photographic chemicals.

acetic acid 乙酸 It is the most commercially important organic acid and is used to manufacture a wide range of chemical products. It is produced naturally by Acetobacter

for making vinegar, but is usually made through synthetic processes.

acetic fermentation 乙酸发酵 A fermentation type conducted by microbes in which organic materials are broken down into acetic acid and generate ATP for energy.

acetin ['æsitin] n. 乙酸甘油酯 A thick, colorless, water-attracting liquid that is used as a food additive, dye solvent and in leather tanning and explosives manufacture. It is made by heating and distilling a mixture of acetic acid and glycerol.

Acetobacter ['æsitəubæktə] n. 醋杆菌属 It is a genus of rod-shaped, flagellated or nonmotile Gram-negative bacteria that oxidize ethanol to acetic acid. These bacteria are usually found on fruits and vegetables.

Acetobacter suboxydans 弱氧化醋 杆菌

acetolactate [:æsitəu'lækteit] n. 乙酰 乳酸

acetylcholine [əˌsiːtəl¹kəulin] n. 乙酰 胆碱 A compound which found in vertebrate neurons that carries information across the synaptic cleft.

acetylcholinesterase

inestitikauli'nestareis] n. 乙酰胆碱 酯酶 An enzyme that breaks down unused acetylcholine in the synaptic cleft,

acetyl-CoA pathway 乙酰辅酶 A 途 径 A pathway of autotrophic carbon dioxide fixation usually occurred in obligate anaerobes, such as methanogens and sulfate reducing bacteria.

acetyl-coA synthase 乙酰辅酶 A 合 成酶

acetyl coenzyme A 乙酰辅酶 A

This coenzyme plays a enormous role in intermediary metabolism, in which cells synthesize, break down or use nutrient molecules for making energy or growth, etc.

acid-fast staining 抗酸染色法
acid fermentation 酸性发酵
acidic amino acid 酸性氨基酸
acidogenic fermentation 产酸发酵
acid proteases 酸蛋白酶 Any protein-hydrolyzing enzymes that work best in an acidic solution. Such as stomach enzymes pepsin and rennin.

acidulant [əˈsidjulənt] n. 酸化剂

Food additives that are used to impart a sharp flavor. The most common acidulant is citric acid.

Acinetobacter radioresistance 抗辐射 不动杆菌

ACP (=acyl carrier protein) 乙酰载 体蛋白

acrocentric [ækrə'sentrik] n. 近端着 丝粒 An acrocentric chromosome has its centromere closer to one end than to the other, leading into une qual chromosome arms.

actin [æktin] n. 肌动蛋白

Actinomycetes [læktinəumai'si:tis] n. 放射菌 Gram-positive bacteria which forms branching filaments. It may form true mycelia or produce conidiospores.

actinomycin D [iæktinəu'maisin] n.
放射菌素 D A relatively toxic antibiotic produced by the funguslike bacterium Streptomyces parvallum. It is often used in conjunction with other drugs in chemotherapy.

actinospectacin [aæktinəu'spektəsin]
n. 奇霉素

activated sludge 活性污泥

activated sludge process 活性污泥法

A method of treating sewage and wastewater through microbial oxidation. Sewage previously treated in settling tanks is aerated to encourage the growth of nonpathogenic aerobic microorganisms which break the organic matter down into carbon dioxide, water, and simple salts.

active immunity 自动免疫性 An organism's resistance to disease or infection developed after an infection as the organism's immune system has produced antibodies.

active ingredient 活性成分

active site 活性部位 A specific region of an enzyme where a substrate binds and be catalyse.

active transport 主动运输 The process of transporting ions, nutri-

ents or other molecules into a cell against a concentration gradient; this needs the energy through ATP hydrolysis.

actomyosin [næktəu'maiəsin] n. 肌动 球蛋白

acute [ə'kju:t] adj. 急性的 It describe a short-term infection or disease that is characterized by dramatic onset and rapid recovery.

acute toxicity 急性毒性 Illness resulting from a single dose or exposure to a toxic substance.

acyl carrier protein (ACP) 乙酰载体 蛋白 A small protein that binds six other enzymes involved in fatty acid synthesis and isolated in E. coli bacteria first.

ADA (= adenosine deaminase deficiency) 腺苷脱氨酶缺乏

adaptation [ˌædæp'teiʃən] n. 适应性 adaptor [ə'dæptə(r)] n. 衔接子

Short synthetic oligonucleotide strands that have one sticky end and one blunt end; the blunt ends join to the blunt end of a DNA fragment, forming a new fragment with two sticky ends that can be more easily spliced into a vector.

adaxial [æd'æksiəl] adj. 近轴的
additive genetic variance 相加性遗传
方差

adenine ['ædəni:n] n. 腺嘌呤 adenosine [ə'denəsi:n] n. 腺嘌呤核苷 adenosine deaminase deficiency (ADA) 腺苷脱氨酶缺乏 Inherited disorder resulted from insufficient adenosine deaminase activity, leading into a compromised immune system.

adenosine diphosphate (ADP) 二磷酸腺苷

adenosine triphosphate (ATP) 腺苷 三磷酸

adenovirus [nædinəu'vaiərə] n. 腺病毒 An icosahedral virus that contains DNA; there are over 40 different adenovirus varieties, some of which can cause the common cold.

adenylate cyclase 腺苷酸环化酶

An enzyme is responsible for catalyzing ATP to form cAMP.

adenylate kinase 腺苷酸激酶
adherence [əd'hiərəns] n. 黏附力
adhering junction 细胞桥粒
adhesion [əd'hi:ʒən] n. 吸附
adipocyte ['ædipəusait] n. 脂肪细胞
adipose tissue 脂肪组织

adoptive immunity 过继性免疫 Immunity to disease or infection conferred on a previously non-immune individual by transferring lymphocytes from a previously immune individual to the non-immune individual.

ADP (= adenosine diphosphate) 二 碳酸腺苷

adrenal cortex 肾上腺皮质 This is the outer portion of the adrenal gland; it secretes hormones such as hydrocortisone and aldosterone.

adrenal hormone 肾上腺素

adrenocorticotrophic hormone 促肾
上腺皮质激素

adriamycin [əidraiə'maisin] n. 阿霉素 An antibiotic made by Pharmacia which is used to treat certain types of cancer, such as breast carcino-

mas.

adsorption fermentation 吸附发酵
adsorption film 吸附膜
adsorption hysteresis 吸附滞后
adsorption layer 吸附层
adsorption precipitation 吸附沉淀
adsorption quantity 吸附量
aeration [reiə'reifə] n. 通风 To add
air or oxygen into a liquid.

aerobacter aerogens 产气气杆菌
aerobe ['sərəub] n. 需氧菌 An organism which can or must live in an oxygen-containing environment and uses oxygen as the terminal electron acceptor in respiration.

aerobic ['sərəubic] a. 需氧的
aerobic culture 好气培养
aerobic fermentation 氧发酵
aerobic waste treatment 需氧废物处

理 The used of aerobic microbes to break down raw sewage.

aerogenic [¡ɛərə'dʒenik] a. 产气的
Aeromonas [¡ɛərə'məunə:s] n. 气单胞 蘭屬

aerotaxis [εərə'tæksi] n. 趋氧性,趋 气性 aerotolerant [ˌεərə'tələrənt] adj. 耐氧 的 Able to survive in the presence of oxygen. This term especially applies to facultative anaerobes, which don't actually need oxygen to live but are not harmed by its presence.

affinity matrix 亲和介质
affinity membrane 亲和膜
affinity precipitation 亲和沉淀
affinity ultrafiltration 亲和超滤
aflatoxin [iæflə'təksin] n. 黄曲霉毒素
agar ['eiga:] n. 琼脂 A gelatinous
material derived from certain marine algae. It is used as a base for
bacterial culture media and as a stabilizer and thickener in many food
products.

agar culture 琼脂培养 agar cup method 琼脂杯法 agar diffusion test 琼脂扩散试验 agar-gel reaction 凝胶反应 The reaction between an antibody and an antigen during an immunology lab procedure where the two are allowed to diffuse toward each other through an agar-gel medium. Lines of precipitation form in the places on the gel where the two react with each other and shows where the reaction has occurred.

agarose [ˈdːgərəus] n. 琼脂糖
agarose gel 琼脂糖凝胶
agarose gel electrophoresis 琼脂糖凝
胶电泳
agar plate 琼脂平板

agar plate method 琼脂平板培养法
agar slant 琼脂斜面
agglutination [əɪglu:ti'neifən] n. 胶合
agglutinin [ə'glu:tinin] n. 凝集素
agitator ['ædʒiteitə] n. 搅拌器 The
device used to stir or shake up a
mixture.

Agrobacterium tume faciens 根瘤土 壤杆菌

airlift bioreactor 生物反应器
airlift fermentation 气升式发酵
ajmalicine [æmʌˈlisin] n. 阿吗碱
alanine [ˈæləˌniːn] n. 丙氨酸
albumin [æl'bjumin] n. 清蛋白,白蛋

白 A heat-coagulatable, watersoluble globular protein found in egg white, blood plasma and many other plant and animal tissues.

albuminuria [æl,bju:mi'njuəriə] n. 蛋白尿 In the urine, more than normal amounts of a protein called albumin.

Alcaligenes latus 产气杆菌

aldolase ['ældəˌleis] n. 醛缩酶 In glycolysis, it is responsible for cleaving fructose 1, 6-bisphosphate into two 3-carbon molecules, dihydroxyacetone and glyceraldehyde 3-phosphate.

aldosterone [æl'dostərəun] n. 醛甾酮, 醛固酮

algae [ˈældʒiː] n. 藻类

algin ['ældʒin] n. 褐藻酸 This gelatinous material, a polysaccharide extract from brown algae, is widely used in foods, medicines, and industrial and household products.

alkaline medium 碱性培养基 alkaline phosphatase 碱性磷酸 (酯)酶

alkaline proteases 碱性蛋白酶

These proteases work best in the pH range of 8 to 11 and are used widely in washing powders and to de-hair hides.

alkaloid [ælkəlɔid] n. 生物碱 Any of various organic compounds normally with basic chemical properties and usually containing at least one nitrogen atom in a heterocyclic ring, occurring chiefly in many vascular plants and some fungi.

allantoin [æ'læntɔin] n. 尿囊素 Any of many nitrogen-containing organic compounds that are found in the urine of some mammals and in some plants.

allergen ['ælədʒən] n. 过敏原 Something that cause an allergic reaction.

allergy ['ælədʒi] n. 变态反应 A harmful immune reaction, either immediate-type or delayed-type hypersensitivity caused by a foreign antigen in food, pollen, or chemicals.

alliin ['æliin] n. 蒜氨酸, 蒜碱 alloimmune [ˌæləui'mjuːn] adj. 同种

免疫的 It indicates an organism's being immune to proteins, cells, or other antigens from members of its own species.

allopurinol [ˌælə'pju:rinəl] n. 别 嘌 呤醇

allosteric enzyme 变构 (象) 酶 A regulatory enzyme whose activity is modified by the noncovalent binding of a particular metabolite at a site other than the active site.

alpha amanitin α-蝇蕈素
alpha amylase α-淀粉酶
alpha fetoglobulin 甲胎蛋白
alpha glucosidase α-葡(萄)糖苷酶
alpha helix α-螺旋
alpha interferon α-干扰素
alpha keratin α-角蛋白
alpha viruses α-病毒
amandin ['a;mən;di:n] n. 苦杏仁球

amber codon 琥珀密码子 The nonsense codon UAG, signals that the translation of mRNA into a chain of amino acids should stop.

amber mutation 琥珀突变 A mutation from a codon which codes for an amino acid into the amber codon UAG, which normally signals that the translation of mRNA into an amino acid chain should stop. The mutation causes the amino acid chain to terminate before it is actually completed.

amber suppressor 琥珀校正基因 A

tRNA molecule which suppresses amber mutations because it has mutated to recognize the amber codon UAG. As a result, it can prevent the amino acid chain from stoping before it is completed.

ambiguous codon 双关密码子

amboceptor ['æmbənseptə] n. 溶血素 An antibody that can combine both with a cellular antigen and with a complement as it has two combining elements.

ameba [əˈmiːbə] n. 变形虫

ameiosis [æmiːˈɔsis] n. 非减数分裂

A form of nuclear division that does not reduce the number of chromosomes.

amethopterin [əɪmeθəup'terin] n. 氨甲喋呤

amidase ['æmideis] n. 酰胺酶 amidinase ['æmidneis] n. 脒基酶

amidinotransferase [æmidinəu'tʃænsfereis]

n. 转脒基酶

aminoacylase [əmi:nəuˈæsileis] n. 氨基 酰化酶

aminoacyl tRNA 氨酰 tRNA The name of the complex created when a tRNA molecule is attached to its specific amino acid and ready to participate in protein synthesis.

aminoglycoside antibiotics 氨基糖苷 类抗生素 A group of antibacterial drugs which are mostly produced by fungi and which contain an amino sugar, and amino-or guanido-substituted inositol ring, and other sugar residues. They are all broadspectrum antibiotics which can inhibit bacterial protein synthesis by binding to their ribosomes.

aminopeptidase [əˌminə'peptideis] n. 氨基肽酶 This is an enzyme which sequentially cuts the peptide bonds from the N-terminus of a chain of polypeptides.

aminophylline [əmi:nəuˈfili:n] n. 氨 茶碱

aminopterin [ˌæmiˈnəptərin] n. 氨基喋呤

amino resin 氨基树脂

amino sugar 氨基糖 A monosaccharide in which one or more of its hydroxyl groups has been substituted with an amino group.

amino terminal 氨基末端 The end of a polypeptide chain with the unattached amino group.

amino terminal residue 氨基末端残基 The only amino acid residue in a polypeptide chain which has a free alpha-amino group.

aminotransferase [əˌmiːnəuˈtrænsfəˌreis]
n. 转象酶

amphotericin [ˌæmfə'terəsin] n. 两性

ampicillin [aempi'silin] n. 氨苄青霉素

amplicon ['æmplikən] n. 复制子 A term for any small, replicating DNA fragment.

amplification [ˌæmplifi'keiʃən] n. 放大作用 An increase in the number of copies of a specific DNA fragment; It can be completed in vivo or in vitro.

Amycolatopsis orientalis 东方拟无 枝酸菌

amylase ['æməˌleis] n. 淀粉酶 It is secreted by the acinar cells of the pancreas and is measured from blood samples.

amylin [ˈæmilin] n. 糊精 amylit [ˈæmilit] n. 麦芽糖化酶

amylocellulose [ˌæmiləu'seljəuləus] n. 直链淀粉

amyloglucosidase [ˌæmiləuˌglukəui¹saideis]

n. 淀粉葡萄糖苷酶

amylohydrolysis [ˌæmiləuˌhai'drəlisis]
n. 淀粉水解

amylomaltose [¡æmiləˈmɔːltəus] n. 麦芽糖

amylon [əˈæmilən] n. 淀粉

amylopectin [aemilau'pektin] n. 支链 注粉

amylose ['æmələus] n. 直链淀粉,多糖 One of two types of glucose polymers that together make up starch. Amylose is the portion of starch that is soluble in water.

amytal ['æmitəl] n. 阿米妥
anabolic [ə'næbəlik] adj. 合成代谢的
anabolic pathway 合成代谢途径 A
reaction or series of reactions in a
metabolic pathway which synthesize
complex molecules from simpler

ones, usually needing the input of energy.

anabolism [ə'næbəlizm] n. 合成代谢
A stage of intermediary metabolism
in which cell components are synthesized from smaller precursor
molecules; It is a process that requires energy.

anaerobe [æ'neiərəub] n. 厌氧性生物 A microorganism that either does not require oxygen or actually cannot live in the presence of oxygen.

anaerobic [iæneiə'rəubik] adj. 厌氧性的 Relating to a process that occurs with little or no oxygen present.

anaerobic digester 厌氧生物反应器

It is a bioreactor for anaerobically digesting sewage-laced wastewater.

anaerobic respiration 厌氧呼吸 anaerobiosis [ˌænɛərəubai'əusis] n. 缺 氧生活

anaphase ['ænəɪfeiz] n. 后期 The stage of mitosis and meiosis in which the chromosomes move to opposite ends of the nuclear spindle.

anaphylactic shock 过敏性休克
anaphylatoxin [ˌænəˌfilə'təksin] n. 过
敏毒素

anaplerotic reaction 添补反应 An enzyme-catalyzed chemical reaction which can recharge the supply of intermediate molecules in various metabolic reactions such as the cit-

ric acid cycle.

anastomosis [ˌænəstə'məusis] n. 接合, 相接

anchorage-independent cell 非贴壁依赖性细胞

aneuploid ['ænjuploid] n. 非整倍单倍体 It describes a cell or organism that has an abnormal total number of chromosomes and where numbers of individual chromosomes are out of proportion with the numbers of the other chromosomes.

aneurin [ˈænjuərin] n. 维生素 B_l
angiotensin [ˌændʒiəʊ'tensin] n. 血管 紧缩素

animal cell culture 动物细胞培养

Mammalian cells are fragile and harder to grow than other cell types, but their large-scale culturing is an economic boon because it allows for the production of proteins which are otherwise difficult or expensiveto extract from living organisms.

animal pigment 动物色素 animal tissue cultivation 动物组织 培养

anisotropic membrane 各向异性膜

This type of synthetic membrane has an asymmetric pore structure: a thin film with tight pores backed by a thicker film with wider pores.

This type of membrane is used for ultrafiltration and reverse osmosis.

ankyrin ['ænkirin] n. 精蛋白

anneal [ə'niːl] n. 复性 The pairing of complementary DNA or RNA sequences, via hydrogen bonding, to form a double-stranded molecule.

annular ['ænjulə] adj. 环形的
anoxic culture 无氧培养
anoxic reactor 厌氧反应器
anoxybiosis [æɪnɔksəbai'əusis] n. 缺氧

anoxygenic photosynthesis 不生氧光 合作用

antacids [æn'tækrid] n. 抗酸剂
antagonism [æn'tægənizəm] n. 对抗性
An interaction between chemicals in
which one partially or completely
inhibits the effect of the other.

antagonistic effect 对抗效应,反协同效应

anthrax toxin 炭疽毒素

生活

antiandrogen [iænti'ændrədʒin] n. 抗雄激素物质 A substance that interferes with the function of an androgen, or male sex hormone, by taking over the androgen's receptors.

antibiosis [iæntibai'əusis] n. 抗生现象 A relationship between two species in which one species is actively harmed.

antibiotic [nentibai'otik] n. 抗生素 antibiotic fermentation 抗生素发酵 antibiotic resistance 抗生素抗性

The ability of a bacterium to synthesize a protein that neutralizes an antibiotic.

matibiotic resistance genes 抗生素抗性基因 Genes in a microorganism that confer resistance to antibiotics, for example by coding for enzymes which destroy it, by coding for surface proteins which prevent it from entering the microorganism.

antibody [ˌæntibai'ətik] n. 抗体 antibody technology 抗体技术

anticholinesterase ['ænti,kəuli'nestəreis]

n. 抗胆碱酯酶 An agent, such as nerve gas, that blocks nerve impulses by inhibiting the activity of the enzyme cholinesterase.

anticipatory control 前馈控制 The regulation of a system or process based on anticipated events; this is a feed-forward rather than a feed-back system.

anticoagulant ['æntikəu'ægjulənt] n. 抗凝血剂

anticodon ['ænti'kəudən] n. 反密码子 A specific sequence of three nucleotides in transfer RNA that are complimentary to a codon for a specific amino acid in a messenger RNA.

antienzyme [iænti'enzaim] n. 抗酵素 A protein or polypeptide that can inhibit or destroy an enzyme.

antifertility [antifertiliti] a. 抗生育的

antifoam agent 消沫剂

antifreeze protein 防冻蛋白 It is a protein found in the extracellular fluid of some fish which live in very cold water.

antifungicide [æntiˈfʌŋgisaid] n. 杀真 菌剂

antigen [ˈæntidʒən] n. 抗原

antigenic determinant 抗原决定簇, 抗原定子 A molecule on the surface of a microbe or macromolecule which can cause an immune response.

antigenicity [,æntidʒə'nisiti] n. 抗原性 antigenic variation 抗原变异 A change in the structure of an antigen on the surface of a disease-causing microorganism or virus thus the host's immune system no longer recognizes the pathogen.

antihistamine [ˌænti'histəmi(:) n] n. 抗组胺剂

antimicrobial ['æntimai'krəubiəl]
adj. 抗菌的 Harmful to microorganisms by either killing them or
inhibiting their growth.

antimycin A 抗霉素 A antimycotics [iæntimai'kətiks] n. 抗真

antinuclear antibody 抗核抗体 It is an antibody against nuclear materials such as DNA, RNA, histone or non-histone proteins.

antiport ['æntipət] n. 反向运输 The cotransport of two molecules across a membrane in opposite directions.

antisense RNA 反义 RNA A complementary RNA sequence that binds to a naturally-occuring mes-

南剂