


Customised Charts


Size 20"x30" Laminated & Mounted Framed on Board Rs. 1350/- Each

← 20" →

4"

College Logo & Name





Staphylococci

Staphylococcus species

Staphylococcus aureus

- Skin infections
- Septicemia
- Carcinoma
- Nosocomial pneumonia
- Endocarditis
- Toxic shock syndrome
- Food poisoning

ANTIBIOTIC SENSITIVITY:

- PENICILLINS:** 1. Oxacillin, 2. Nafcillin
- OTHER:** 2. Vancomycin
- OTHER:** 1. Clindamycin, 2. Mupirocin, 3. Cloxacillin

1. Most isolates resistant to penicillin G.
2. Used in methicillin-resistant isolates.
3. Used in vancomycin-resistant isolates.

Staphylococcus epidermidis

- Infections of catheters and heart valves.

ANTIBIOTIC SENSITIVITY:

- PENICILLINS:** 1. Oxacillin, 2. Nafcillin
- OTHER:** 2. Vancomycin

1. Most isolates resistant to penicillin G.
2. Used in methicillin-resistant isolates.


Staphylococcus saprophyticus

- Cystitis in women


ANTIBIOTIC SENSITIVITY:

- PENICILLINS:** 1. Penicillin G

1. Used in methicillin-resistant isolates.




Staphylococcus aureus cultured from a wound infection.




Staphylococcus aureus on blood agar surrounded by zone of beta hemolysis.

Colonies are yellow


- Gram-positive, staining easily
- Round cocci tending to occur in bunches like grapes
- True facultative anaerobic organisms.
- Cultured on enriched media containing broth and/or blood




Folliculitis caused by *Staphylococcus aureus*




Carbuncle caused by *Staphylococcus aureus*




Furuncle caused by *Staphylococcus aureus*



Scanning electron micrograph of cardiac pacemaker leads colonized by *S. aureus*



Staphylococcal scalded skin syndrome



Superficial impetigo

Summary of Staphylococcal disease

← 30" →



MICROBIOLOGY

SLIDES, CHARTS & MODELS

List No. 8
w.e.f. 1st Dec. 2016

SLIDES

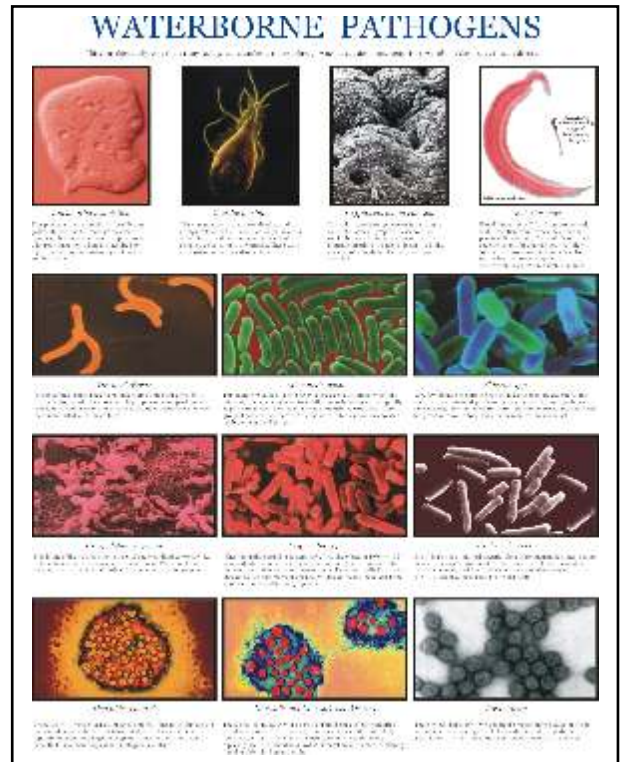
MICROSCOPIC IMPORTED U.S.A

(SET of 50) IN BOX @

AVAILABLE IN SETS ONLY

- 1 BACTERIA TUBERCULOSIS
- 2 BACTERIA SYPHILIS
- 3 BACTERIA TYPHOID
- 4 BACTERIA LEPTOSPIRA
- 5 BACTERIA TETENUS
- 6 BACTERIA DIPHTHERIA
- 7 BACTERIA MYOBACERIUM TUBERCULOSIS IN TISSUE
- 8 BACTERIA CHOLERA
- 9 BACTERIA NOCARDIA
- 10 BACTERIA GONOCOCCI
- 11 BACTERIA PNEUMOCOCCI
- 12 BACTERIA HELICOBACTER PYLORI
- 13 BACTERIA BACTERIAL CELL STRUCTURE
- 14 ENTOMO MOSQUITO AEDES
- 15 FUNGI ASPERGILLUS
- 16 FUNGI CANDIDA
- 17 HELMINTH WUCHERIA BANCROFTI (FILARIA)
- 18 HELMINTH ASCARIS LUMBRICOIDES
- 19 HELMINTH STRONGYLOIDES STERCORALIS
- 20 MIXED BACTERIA
- 21 COCCI
- 22 BACILLI
- 23 ESCEROCJOA COLI
- 24 BACILLUS SUBTILLIS
- 25 BACILLUS MEGATERIUM
- 26 MYOBACERIUM TUBERCULOSIS IN TISSUE
- 27 RHIZOBIUM IN ROOT NODULE
- 28 VIBRIO
- 29 SPIRILLUM
- 30 STAPHYLOCOCCUS EPIDERMIS
- 31 STREPTOCOCCUS LACTIS
- 32 GRAM-POSITIVE
- 33 GRAM NEGATIVE
- 34 STAPHYLOCOCCUS AUREUS
- 35 STREPTOCOCCI POSITIVE
- 36 STREPTOCOCCI NEGATIVE

- 37 STREPTOCOCCUS PNEUMONIAE
- 38 STREPTOCOCCUS GRAM POSITIVE
- 39 STREPTOCOCCUS NONMOTILE
- 40 STREPTOCOCCUS ENCAPSULATED LANCET-SHAPED COCCI
- 41 STREPTOCOCCUS FECALIS
- 42 CORYNBACTERIUM DIPHTHERIAE
- 43 CORYNBACTERIUM DIPHTHERIAE GRAM STAIN
- 44 GRAM STAIN BACILLUS ANTHRACIS
- 45 LISTERIA MONOCYTOGENES GRAM STAIN
- 46 NEISSERIA GONORHOEAE
- 47 NEISSERIA MENINGITIDIS
- 48 E.COLI GRAM STAIN
- 49 SALMONELLA TYPHI
- 50 BACTERIA CONJUGATION



IMP 20
See Pg. No. 5

Dbios MICROBIOLOGY CHARTS

Size 20"x26"
Size 20"x26"

Charts Laminated and attached with durable strips
Charts Laminated Framed on NU-Board

Introduction to Microbiology

- MB 1 Comparison of prokaryotic and eukaryotic cells.
- MB 2 Classification of medically important bacterial families.
- MB 3 Classification of medically important virus families.

Normal Flora

- MB 4 Normal flora in Human Body (Skin, Eye, Mouth and nose, G. E. Tract, vagina)

Pathogenicity of Microorganisms

- MB 5 Bacterial Pathogens Id50 v /s LD50, Adhesion to host cell membranes, Action of exotoxins, Koch's postulates.
- MB 6 Types of viral pathogenesis, Dissemination of virus to secondary sites in the body, Mother-to-infant.

Diagnostic Microbiology

- MB 7 Laboratory techniques in diagnosis of microbial diseases. Effect of sensitivity and specificity of a test on the presence of false-positives and false-negatives. Steps in Gram stain method.
- MB 8 Tests commonly used in identifying bacteria.
- MB 9 Immunologic detection of microorganisms.
- MB 10 Detection of Microbial DNA or RNA

Vaccines And Antibiotics

- MB 11 Bacterial Vaccines (DTaP, Childhood immunization)
- MB 12 Formulation of Some of the vaccines.
- MB 13 VIRAL VACCINES Candidates for hepatitis immunization. HBsAg = hepatitis B surface antigen.
- MB 14 DNA VACCINES produce antigen needed to generate immunity. MHC = Major histocompatibility complex.
- MB 15 Summary of therapeutic applications of selected antiviral agents.

Bacterial Structure, Growth And Metabolism

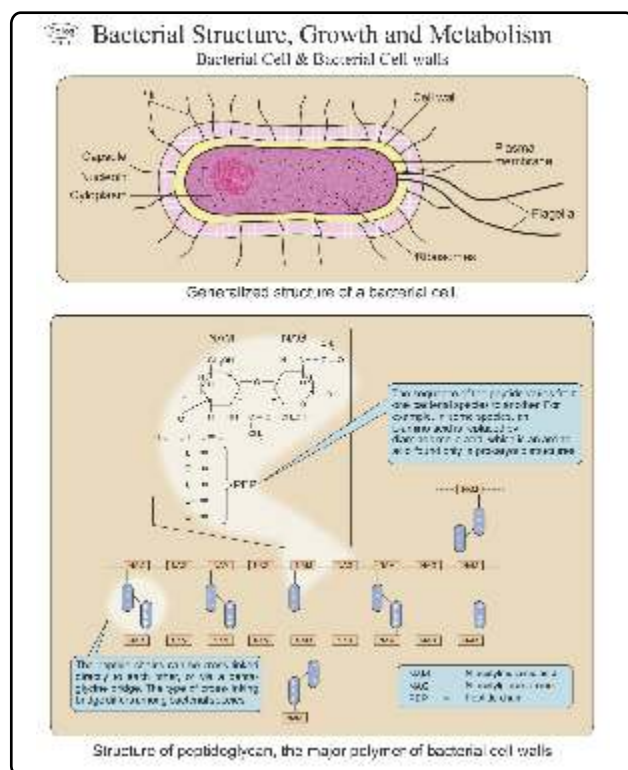
- MB 16 Bacterial cell & Bacterial cell walls.
- MB 17 Comparison of gram-positive and gram-negative bacterial cell.
- MB 18 Synthesis of a bacterial cell wall.

Bacterial Genetics

- MB 19 Bacterial growth.
- MB 20 Bacterial genome & Bacterial replication
- MB 21 Visual detection of bacteriophage by the plaque method.
- MB 22 Gene Transfer - A. Conjugation, B. Transduction, C. Transformation.
- MB 23 Gene Regulation - A. Negative control (repression) B. Positive control (catabolite activation)

Staphylococci

- MB 24 Staphylococci - Staphylococcus Aureus, Infections & Causes of Diseases
- MB 25 Staphylococcus species (Summary of staphylococcal disease.)



MB 16 Bacterial cell & Bacterial cell walls.



MB 25 Staphylococcus species (Staphylococcal disease.)

Size 20"x26"
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Charts Laminated Framed on NU-Board

Streptococci

- MB 26 Streptococcus pyogenes.
- MB 27 Streptococcus species (Summary of streptococcal disease)

Gram-positive Rods

- MB 28 Corynebacteria species (Summary of Corynebacterium diphtheriae disease).
- MB 29 Bacillus species (Summary of anthrax disease)
- MB 30 Listeria species & Life cycle

Neisseriae

- MB 31 Neisseria species (Summary of neisseria diseases).

Gastrointestinal Gram-negative Rods

- MB 32 Escherichia species & Salmonella species .
- MB 33 Campylobacter species (Summary of campylobacter disease).
- MB 34 Mechanism of shigella infection causing diarrhea & Shigella disease.
- MB 35 Vibrio & Yersinia species.
- MB 36 Helicobacter disease & Infection.

Gram-negative Rods

- MB 37 Infection by Haemophilus influenzae & species.
- MB 38 Bordetella pertussis & Disease
- MB 39 Legionella species (Summary of legionella disease).
- MB 40 Pseudomonas species & infection of ear.
- MB 41 Brucella species & Transmission
- MB 42 Francisella species (Summary of francisella species).
- MB 43 Epidemiology & pathogenesis of plague .
- MB 44 Bubo characteristic of infection due to yersinia pestis & species.

Clostridia and other Anaerobic Rods

- MB 45 Toxic & degradative enzymes produced by clostridium perfringens. ET=enterotoxin.
- MB 46 Mechanism of botulinum toxin. AcCoA = acetyl CoA. & Tetanus toxin.
- MB 47 Clostridium species (Summary of clostridial disease).

Spirochetes

- MB 48 Clinical stages of untreated syphilis.
- MB 49 Clinical stages of untreated Lyme disease.
- MB 50 Treponema & Borrelia species.
- MB 51 Leptospira species (Summary of Leptospira species)

Mycoplasma

- MB 52 Mycoplasma species (Summary of mycoplasma disease).

Chlamydiae

- MB 53 Reproduction cycle of Chlamydia.
- MB 54 Chlamydia species (Summary of Chlamydia disease).

Mycobacteria And Actinomycetes

- MB 55 Mycobacteria classification, T.B. & Progressive of active T.B. Infection.
- MB 56 Mantoux skin test for T.B.
- MB 57 Mycobacterium species (Summary of mycobacterium disease).

Rickettsiae

- MB 58 Classification, micrograph, Spotted fevers & Rickettsia disease.

Fungi

- MB 59 Classification of pathogenic fungi.
- MB 60 Cutaneous & subcutaneous mycoses.
- MB 61 Systemic mycoses.
- MB 62 Opportunistic mycoses:- Candidiasis, Cryptococcosis, Aspergillus, Mucormycosis, pneumocystis.

Protozoa

- MB 63 A. Life cycle of Entamoeba histolytica. B. Photomicrographs of trophozoite and cyst forms.
- MB 64 Intestinal protozoal infections .
- MB 65 Urogenital tract infections.
- MB 66 Blood and tissue protozoal infections.
- MB 67 Life cycle of Leishmania.

Helminths

- MB 68 Cestodes infection.
- MB 69 Trematodes Infection.
- MB 70 Nematode infection.
- MB 71 Intestinal nematode infections.

Viruses

- MB 72 General structure, Classification families.
- MB 73 Replication cycle of VIRUSES.
- MB 74 Replication of DNA VIRUS
- MB 75 Mechanism of RNA virus genome replication.
- MB 76 Effects of Viral infection on Host cell.

Nonenveloped DNA Viruses

- MB 77 Classification of Non enveloped DNA viruses.
- MB 78 Relationship between steps in the development of a skin wart and the Life Cycle of papilloma virus.
- MB 79 Adenovirus infection.
- MB 80 Replication of B19 parvovirus.

Enveloped DNA Viruses

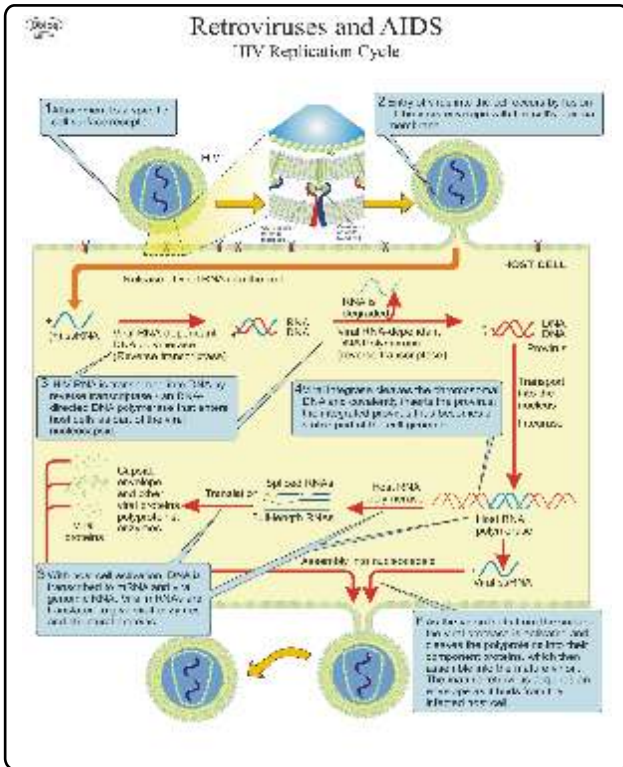
- MB 81 Classification of enveloped DNA viruses.
- MB 82 Structure & Replication of herpes viruses.
- MB 83 Primary & Recurrent herpes simplex infections.
- MB 84 Time course of varicella (chickenpox) in children. In adults, the disease shows a longer time course and is more severe.
- MB 85 Properties of common herpes virus infection.
- MB 86 Time course of smallpox.

Hepatitis B & Hepatitis D (delta) Viruses

- MB 87 Classification of major viral agents causing hepatitis. [Note: Hepatitis D is a defective virus and is classified in its own "floating" genus. Hepatitis A, C, and E are discussed .]
- MB 88 Replication & Hepatitis B Virus.
- MB 89 Typical course of hepatitis B virus infection. A. Acute infection. B. Chronic infection.
- MB 90 Structure of hepatitis D & consequences of HDV infection.

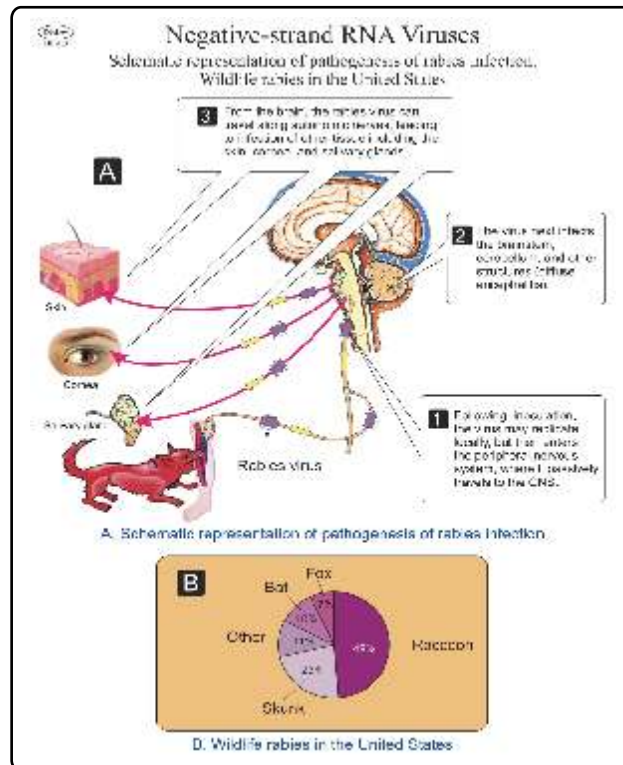
Size 20"x26"
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Charts Laminated and attached with durable strips
Charts Laminated Framed on NU-Board



MB 98

The HIV Replication cycle.



MB 103

Schematic representation of pathogenesis of rabies infection.

Positive-strand RNA Viruses

- MB 91 Classification of positive-strand RNA viruses.
- MB 92 Polio virus infection & CNS invasion.
- MB 93 Pathogenesis of the common cold showing stages from infection to recovery.
- MB 94 Pathology of rubella virus infection.
- MB 95 Summary of hepatitis A, B, and C.

Retroviruses and AIDS

- MB 96 Classification of retroviruses that cause disease in humans.
- MB 97 Structure of HIV virus
- MB 98 HIV replication cycle.
- MB 99 Common modes of transmission of HIV.
- MB 100 Pathogenesis of HIV.
- MB 101 Typical time course of HIV infection.

Negative-strand RNA Viruses

- MB 102 Classification of negative-strand RNA viruses .
- MB 103 A. Schematic representation of pathogenesis of rabies infection. B. Wildlife rabies in the United States.
- MB 104 Influenza virus. A. Electron micrograph. B. Schematic drawing showing envelope proteins-called H and N spikes-that protrude from the surface.
- MB 105 Time course of influenza A virus infection & Measles virus.

Double-stranded RNA Viruses: The Reoviridae

- MB 106 Structure of Rotavirus. A. Electron micrograph. B. Schematic drawing.

Unconventional Infectious Agents

- MB 107 Mechanism for multiplication of infections prior agents.

Diseases

- MB 108 Characteristics of sexually transmitted diseases (STD): Bacterial pathogens.
- MB 109 Characteristics of sexually transmitted diseases: Fungi, Protozoa, and viruses.
- MB 110 Disease summary of some major organisms causing bacterial food poisoning.
- MB 111 Disease summary of urinary tract infections.
- MB 112 Characteristics of organisms causing bacterial meningitis.
- MB 113 Characteristics of hepatitis. [ALT = alanine aminotransferase.]
- MB 114 Characteristics of community-acquired pneumonia.
- MB 115 Characteristics of atypical pneumonia.
- MB 116 Examples of bacteria and viruses that cause diseases of the eye.
- MB 117 Opportunistic infections of HIV - Bacteria & Fungi
- MB 118 Opportunistic infections of Viruses
- MB 119 Sinusitis (Bacterial) & otitis media

Size 20"x26"
Size 20"x26"

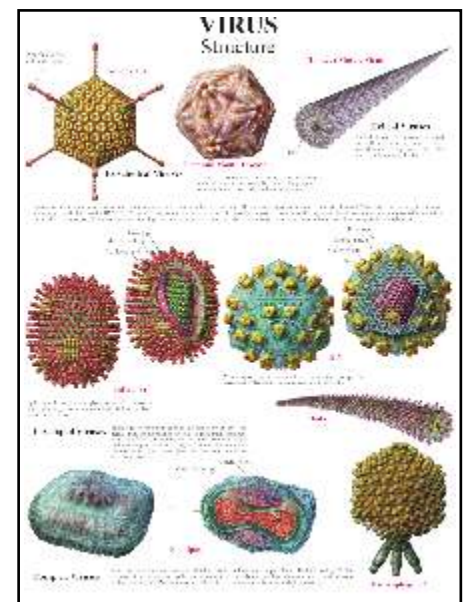
Charts Laminated and attached with durable strips
Charts Laminated Framed on NU-Board

CH-1901	L.C. <i>Enterobius vermicularis</i> (thread or pin worm)	CH-1926	L.C. <i>Metagonimius yokogawai</i>
CH-1902	L.C. <i>Trichuris trichiura</i> (whip worm)	CH-1927	L.C. <i>Paragonimius westermani</i> (lung fluke)
CH-1903	L.C. <i>Ascaris lumbricoides</i> (round worm)	CH-1928	L.C. <i>Isospora belli</i> (causing coccidiosis in humans)
CH-1904	L.C. <i>Ancylostoma duodenale</i> (hook worm)	CH-1929	L.C. <i>Cryptosporidium parvum</i>
CH-1905	L.C. <i>Strongyloides stercoralis</i>	CH-1930	L.C. <i>Cyclospora cayetanensis</i>
CH-1906	L.C. <i>Trichinella spiralis</i>	CH-1931	L.C. <i>Sarcocystis hominis</i>
CH-1907	L.C. <i>Wuchereria bancrofti</i> (filariasis)	CH-1932	L.C. <i>Microsporidia</i>
CH-1908	L.C. <i>Brugia malayi</i>	CH-1933	L.C. <i>Entamoeba histolytica</i> (causing amoebiasis)
CH-1909	L.C. <i>Loa loa</i> (eye worm)	CH-1934	L.C. <i>Giardia intestinalis</i> (g. lamblia)
CH-1910	L.C. <i>Onchocerca volvulus</i> (blinding worm)	CH-1935	L.C. <i>Chilomastix mesnili</i>
CH-1911	L.C. <i>Dracunculus medinensis</i> (guinea worm)	CH-1936	L.C. <i>Balantidium coli</i>
CH-1912	L.C. <i>Taenia solium</i> (pork tape worm)	CH-1937	L.C. <i>Toxoplasma gondii</i>
CH-1913	L.C. <i>Taenia saginata</i> (beef tape worm)	CH-1938	L.C. <i>Malaria parasite</i>
CH-1914	L.C. <i>Hymenolepis nana</i> (dwarf tape worm)	CH-1939	L.C. and morphology of <i>Leishmania</i>
CH-1915	L.C. <i>Hymenolepis diminuta</i> (rat tape worm)	CH-1940	Morphological stages of the <i>Trypanosomatidae</i>
CH-1916	L.C. <i>Diphyllobothrium latum</i> (fish tape worm)	CH-1941	<i>Trypanosomiasis</i> (african type : sleeping sickness) (1) L.C. in insect (2) L.C. in humans
CH-1917	L.C. <i>of such tape worm - sparganosis</i>	CH-1942	<i>Trypanosomiasis</i> (s. american : chagas' disease) (1) L.C. in insect (2) L.C. in humans
CH-1918	L.C. <i>Echinococcus granulosus</i> (dog tape worm)	CH-1943	<i>Toxocara canis</i> - (dog round worm)
CH-1919	L.C. <i>Enchinococcus multilocularis</i>	CH-1944	<i>Toxocara cati</i> (cat round worm)
CH-1920	L.C. <i>Schistosoma species</i> (blood fluke)	CH-1945	<i>Gnathostoma spinigerum</i> - morphology & life cycle
CH-1921	L.C. <i>Clonorchis sinensis</i> , (oriental liver fluke)	CH-1946	<i>Cutaneous larva migrans</i> (creeping eruption)
CH-1922	L.C. <i>Opisthorchis felineus</i> , (cat liver fluke)	CH-1947	<i>Trichomonas species</i>
CH-1923	L.C. <i>Fasciola hepatica</i> (sheep liver fluke)		
CH-1924	L.C. <i>Fasciolopsis buski</i>		
CH-1925	L.C. <i>Heterophyes heterophyes</i>		

MICROBIOLOGY IMP. CHARTS

Size 18"x24"Approx Otherwise mentioned Laminated framed on Board

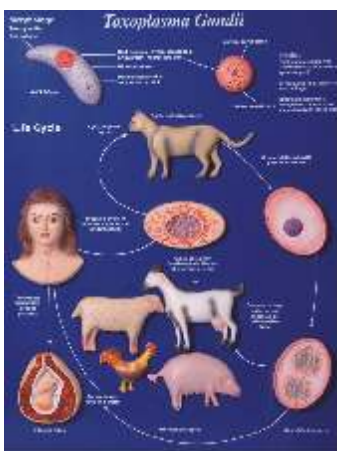
IMP 13	UNDERSTANDING AIDS LIFE (39"X19")
IMP 14	ASCOMYCETES
IMP 15	BASIDIOMYCETES
IMP 16	ZYGOMYCETES
IMP 17	BACTERIA
IMP 18	VIRUS (SET OF 3)
IMP 20	WATER BORNE PATHOGENS
IMP 22	MICROBIOLOGY CAREER POSTER
IMP 23	MICROBIOLOGY FOOD POISONING
IMP 24	MECHANISM OF GENE TRANSFER
IMP 25	BACTERIA CULTURE RESOURCE (21"X34")
IMP 26	HUMAN MICRO ANATOMY POSTER (27"X38")
IMP 27	DRUGS POSTER SERIES (17"X22")(SET OF 8)
IMP 28	DANGEROUS DRUGS (30"X48")
IMP 29	MICROBIOLOGICAL CHART (25"X35")



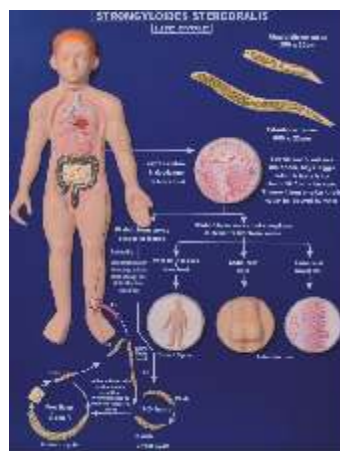
VIRUS - I

Dbios MICROBIOLOGY MODELS

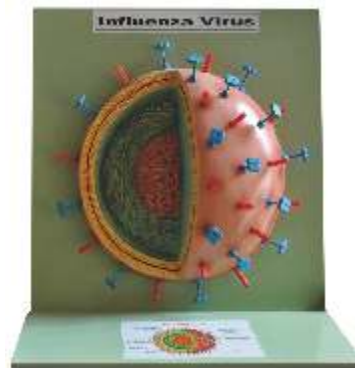
AM 123	L.C. Toxoplasma gondii
AM 127	Phlebotomus argentipes (SANDFLY) various stages of development.
AM 128	ANAEMIA KALA-AZAR
AM 130	L.C. of Leishmania tropica (SAND FLY)
AM 131	L.C. of Plasmodium vivax
AM 133	L.C. of Anopheles
AM 146	L.C. of Ancylostoma duodenale (HOOK WORM)
AM 149	L.C. of Enterobius vermicularis
AM 151	L.C. of Ascaris lumbricoides (ROUND WORM)
AM 152	L.C. of Wucheria bancrofti (FILARIA)
AM 153	L.C. of a Culex
AM 154	L.C. of a N Aedes (STEGOMYIA)
AM 155	L.C. of a Mansonioides
AM 156	L.C. Strongyloides stercoralis
AM 157	L.C. Trichuris trichiura (whip worm)
AM 158	L.C. Taenia saginata (beef tape worm)
AM 159	L.C. Entamoeba histolytica (causing amoebiasis)
AM 160	L.C. Taenia solium (pork tape worm)
AM 161	L. C. of a Giardia intestinalis (G. Lamblia)
AM 163	L.C. of Balantidium coil
AM 164	L.C. Dracunculus medinensis (guinea worm)
AM 165	L.C. Fasciola hepatica (sheep liver fluke)
AM 166	L.C. Echinococcus granulosus (dog tape worm)
MB 301	Herpes Simplex virus
MB 302	Adeno virus
MB 303	Hepatitis B Virus
MB 304	Polio Virus
MB 305	Influenza Virus
MB 306	HIV Virus
MB 307	Rhabdo Virus
MB 308	Bacteriophage
MB 309	Cultivation of Virus in Egg
MB 310	Rota Virus
MB 311	Cytomegalo Virus etc.
MB 312	Helical Structure of Virus
MB 313	Hepatitis C
MB 314	Corona Virus
MB 315	Arena Virus
MB 316	Bacteria Structure
MB 317	Bacteria Three Types



AM 123



AM 156



MB 305



MB 307

SCIENTIST/MEDICAL PROFESSIONAL PORTRAITS

FAMOUS NOBEL PRIZE WINNERS IN MEDICAL FIELD

Size: 12"x18" Laminated Mounted on Board
 Size: 16"x21" Laminated Mounted on Board
 Size: 20"x26" Laminated Mounted on Board



Small Size 12"x18"



Medium Size 16"x21"



Large Size 20"x26"

Year	Name	Field
2011	Beutler, Hoffman, Steinman	Innate Immunity & adaptive immunity
1997	STANLEY B. PRUSINER	Prions
1996	PETER C. DOHERTY	Cell mediated immune defense.
1996	ROLF M. ZINKERNAGEL	Cell mediated immune defense.
1990	JOSEPH E. MURRAY	Cell transplantation in the treatment of human disease.
1990	E. DONNALL THOMAS	Cell transplantation in the treatment of human disease.
1989	J. MICHAEL BISHOP	Cellular origin of retroviral oncogenes.
1989	HAROLD E. VARMUS	Cellular origin of retroviral oncogenes.
1987	SUSUMU TONEGAWA	Generation of antibody diversity.
1984	NIELS K. JERNE,	Development and control of the immune system
1984	GEORGES J.F. KOHLER	Development and control of the immune system
1984	CÉSAR MILSTEIN	Development and control of the immune system
1983	BARBARA MC CLINTOCK	Mobile genetic elements (transposons).
1978	WERNER ARBER,	Restriction enzymes
1978	DANIEL NATHANS	Restriction enzymes
1978	HAMILTON O. SMITH	Restriction enzymes
1968	W. HOLLEY, H. G. KHORANA , NIRENBERG	Genetic code and its function in protein synthesis. (Set of 3)
1966	PEYTON ROUS	Tumor inducing viruses
1965	F. JACOB, A. LWOFF, J. MONOD	Genetic control of enzyme and virus synthesis. (Set of 3)
1959	SEVERO OCHOA	Biological synthesis of ribonucleic acid and deoxyribonucleic acid.
1959	ARTHUR KORNBERG	Biological synthesis of ribonucleic acid and deoxyribonucleic acid.
1958	GEORGE WELLS BEADLE	Genes act by regulating definite chemical events
1958	EDWARD LAWRIE TATUM	Genes act by regulating definite chemical events
1958	JOSHUA LEDERBERG	The organization of the genetic material of bacteria.
1954	J. F. ENDERS, WELLER, ROBBINS	Ability of poliomyelitis viruses to grow in cultures of various types of tissue. (Set of 3)
1952	SELMAN ABRAHAM WAKSMAN	Streptomycin, against tuberculosis.
1951	MAX THEILER	Yellow fever and how to combat it.
1945	FLEMING, BORIS CHAIN, H. FLOREY	Penicillin and its curative effect in various infectious diseases.
1930	KARL LANDSTEINER	Human blood groups.
1908	ILYA ILYICH METCHNIKOV	Work on immunity.
1908	PAUL EHRLICH	Work on immunity.
1907	CHARLES LOUIS ALPHONSE LAVERAN	Malarial parasite.
1905	ROBERT KOCH	Investigations in relation to tuberculosis.
1902	SIR RONALD ROSS	Life cycle of Plasmodium in mosquito.
1901	EMIL ADOLF VON BEHRING	Serum therapy, especially its application against diphtheria.

Digital Charts

Size: 12"x18"

Laminated Mounted on Board

Microbiology

O.H.P.

Set of 60 Overhead Transparency in One Volume

These Microscopic Structures (1000X Magnification) were produced from original examinations & data furnished by bacteriological experts.

ZYGOMYCETES

1. ASEXUAL PHASE
2. SEXUAL PHASE
3. EXAMPLES

ASCOMYCETES

1. ASEXUAL PHASE
2. SEXUAL PHASE
3. EXAMPLES

BASIDIOMYCETES

1. POLYPORE FUNGI
2. GILL FUNGI
3. EXAMPLES

WATER BORNE PATHOGENS

1. ENTOMEBA HISTOLYTICA
2. GIARDIA LAMBLIA
3. CRYPTOSPORIDIUM PARVUM
4. SCHISTO SOMES
5. VIBRIO CHOLERAE
6. SALMONELLA TYPHI

7. SHIGELLA SPP.
8. CAMPYLOBACTER
9. LEGIONELLA SPP.
10. ESCHERICHIA COLI
11. HEPATITIS A+B
12. NORWALK & NORWALK LIKE VIRUS
13. ROTAVIRUSES

MICROBIAL FOOD POISONING

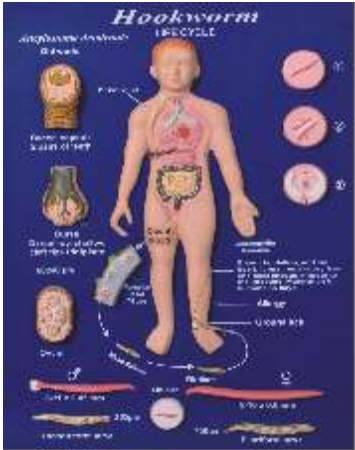
1. SALMONELLA SPP.
2. CAMPYLOBACTER JEJUNI
3. VIBRIO PARAHAEMOLYTICUS
5. STAPHYLOCOCCUS AUREUS
6. ESCHERICHIA COLI
7. CLOSTRIDIUM BOTULINUM
8. BACILLUS CEREUS
9. CLOSTRIDIUM PERFRINGENS
10. LISTERIA MONOCYTOGENES
11. NORWALK & LIKE VIRUS
12. ROTAVIRUSES

BACTERIA

1. SINGLE SPHERES
2. SPHERES IN PAIRS
3. SPHERES IN CHAINS
4. SPHERES IN CLUSTERS
5. SINGLE ROD
6. RODS WITH FLAGELLA
7. RODS WITH SPORES
8. RODS WITH CAPSULES
9. RODS IN CHAINS WITH SPORES
10. ACTIRIOMYCETES
11. CURVED RODS
12. SPIRALS
13. SPIRAL WITH FLAGELLA
14. SPIROCHETES

VIRUS-STRUCTURE

1. ADENOVIRUS
2. T.M.V
3. INFLUENZA
4. HIV
5. SMALL POX
6. BATERIOPHAGE P22



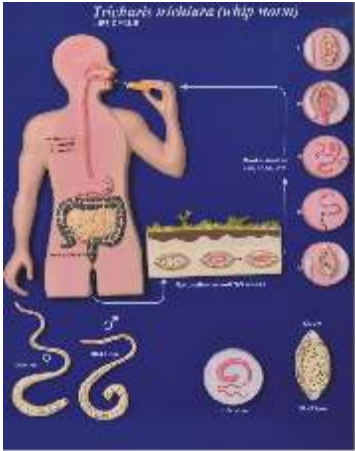
AM 146



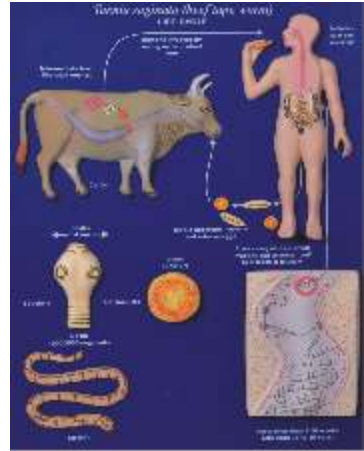
AM 152



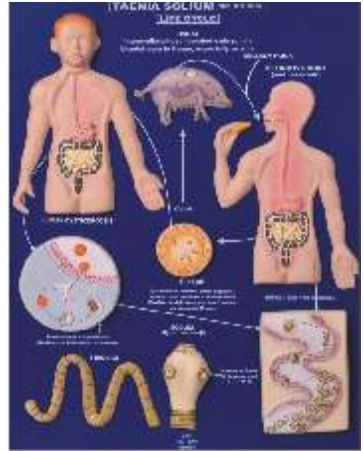
AM 154



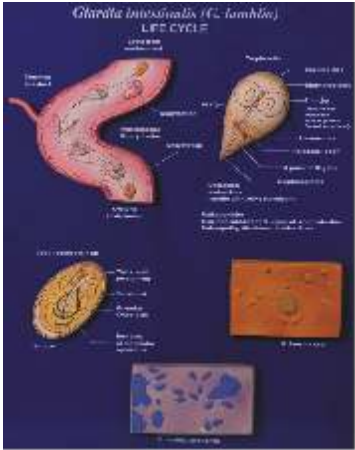
AM 157



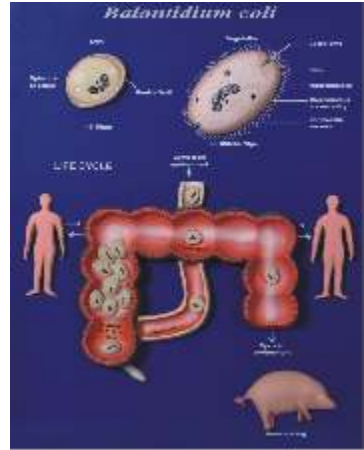
AM 158



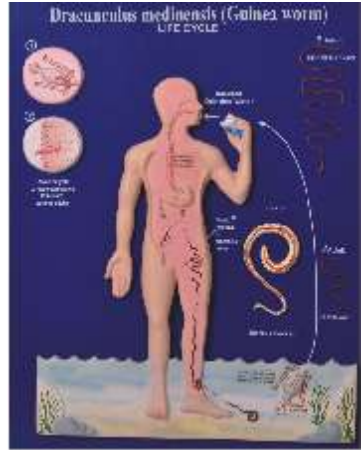
AM 160



AM 161



AM 163



AM 164