

# ANAEROBIC BACTERIA +

## 1) Anaerobic Bacteria-nonsporulating+

### 1. Gram-Negative Bacilli+

Anaerobiospirillum

Anaerovibrio

#### a) Bacteroides+

Bacteroides asaccharolyticus

Bacteroides bivius

Bacteroides buccae

Bacteroides buccalis

Bacteroides caccae

Bacteroides capillosus

Bacteroides corporis

Bacteroides denticola

Bacteroides disiens

Bacteroides distasonis

Bacteroides endodontalis

Bacteroides forsythus

Bacteroides fragilis group

Bacteroides galacturonicus

Bacteroides gingivalis

Bacteroides gracilis

Bacteroides heparinolyticus

Bacteroides intermedius

Bacteroides levii

Bacteroides loescheii

Bacteroides macacae

Bacteroides melaninogenicus group

Bacteroides merdae

Bacteroides multiacidus

Bacteroides ochraceus

Bacteroides oralis group

Bacteroides oris

Bacteroides oulorum

Bacteroides ovatus

Bacteroides pectinophilus

Bacteroides praecutis

Bacteroides species CDC groups F1 et F2

Bacteroides splanchnicus

Bacteroides stercoris

Bacteroides thetaiotaomicron

Bacteroides uniformis

Bacteroides ureolyticus group

Bacteroides vulgatus

Bacteroides zoogloformans

## **b) Bilophila+**

*Bilophila wadsworthii*

## **c) Butyrivibrio capsularis**

## **d) Desulfomonas**

## **e) Desulfovibrio**

## **f) Fusobacterium+**

*Fusobacterium alocis*

*Fusobacterium gonidiaformans*

*Fusobacterium mortiferum*

*Fusobacterium naviforme*

*Fusobacterium necrophorum*

*Fusobacterium nucleatum*

*Fusobacterium peridonticum*

*Fusobacterium russii*

*Fusobacterium stabilis*

*Fusobacterium sulci*

*Fusobacterium symbiosum*

*Fusobacterium varium*

## **g) Leptotrichia+**

*Leptotrichia buccalis*

*Leptotrichia vaginalis*

## **h) Megamonas+**

*Megamonas hypermegas*

## **i) Mitsuokella+**

*Mitsuokella dentalis*

*Mitsuokella multiacidus*

## **j) Mobiluncus+**

*Mobiluncus curtisii*

*Mobiluncus mulieris*

## **k) Rikenella+**

*Rikenella microfusum*

## **l) Sealdella+**

*Sealdella termitidis*

## **m) Selenomonas+**

*Selenomonas sputigena*

#### **n) Succinimonas**

#### **o) Succinivibrio**

#### **p) Tissierella+**

*Tissierella praeacuta*

#### **q) Treponema**

#### **r) Wollinella+**

*Wollinella curva*

*Wollinella recta*

*Wollinella succinogenes*

### **2. Gram-Negative Cocci+**

#### **a) Acidaminococcus**

#### **b) Megasphaera**

#### **c) Veillonella+**

*Veillonella alcalescens*

*Veillonella parvula*

### **3. Gram-Positive Bacilli+**

#### **a) Acetobacterium**

#### **b) Actinomyces+**

*Actinomyces denticolens*

*Actinomyces gerencseriae*

*Actinomyces hordeovulneris*

*Actinomyces howellii*

*Actinomyces israelii*

*Actinomyces meyeri*

*Actinomyces naeslundii*

*Actinomyces pyogenes*

*Actinomyces viscosus*

#### **c) Arachnia+**

*Arachnia propionica*

#### **d) Arcanobacterium**

### **e) Bifidobacterium+**

Bifidobacterium breve  
Bifidobacterium dentium (eriksonii)  
Bifidobacterium longum

### **f) Eubacterium+**

Eubacterium brachy  
Eubacterium lentum  
Eubacterium nodatum  
Eubacterium plautii  
Eubacterium suis  
Eubacterium timidum  
Eubacterium tortuosum

### **g) Lactobacillus+**

Lactobacillus acidophilus  
Lactobacillus casei  
Lactobacillus cellobiosus  
Lactobacillus fermenti  
Lactobacillus helveticus  
Lactobacillus plantarum  
Leuconostoc mesenteroides

### **h) Lachnospira**

### **i) Methanobacterium**

### **j) Propionibacterium+**

Propionibacterium acnes  
Propionibacterium avidum  
Propionibacterium granulosum

### **k) Thermoactinomyces**

## **4. Gram-Positive Cocci+**

### **a) Coprococcus**

### **b) Gemmiger**

### **c) Graffkya**

### **d) Peptococcus+**

Peptococcus niger

### **e) Peptostreptococcus+**

Peptostreptococcus anaerobius  
Peptostreptococcus asaccharolyticus  
Peptostreptococcus indolicus  
Peptostreptococcus magnus  
Peptostreptococcus mikros  
Peptostreptococcus prevotii  
Peptostreptococcus productus  
Peptostreptococcus saccharolyticus  
Peptostreptococcus tetradius  
Peptostreptococcus vaginalis

### **f) Ruminococcus**

### **g) Sarcina**

### **h) Streptococcus+**

Streptococcus anginosus  
Streptococcus constellatus  
Streptococcus intermedius  
Streptococcus morbillorum  
Streptococcus parvulus

## **2) Anaerobic Bacteria-sporulating+**

### **1. Clostridium+**

Clostridium baratii  
Clostridium bifermentans  
Clostridium botulinum  
Clostridium butyricum  
Clostridium cadaveris  
Clostridium celatum  
Clostridium clostridiiforme  
Clostridium difficile  
Clostridium glycolicum  
Clostridium hastiforme  
Clostridium indolis  
Clostridium innocuum  
Clostridium novyi  
Clostridium paraputrificum  
Clostridium perfringens  
Clostridium putrificum  
Clostridium ramosum  
Clostridium septicum  
Clostridium sordelii  
Clostridium sphenoides  
Clostridium sporogenes

Clostridium subterminale  
Clostridium tertium

## 2. Desulfotomaculum

# ENTEROBACTERIACEAE

## 1) Citrobacteraeae+

### 1. Citrobacter+

Citrobacter amalonaticus  
Citrobacter diversus  
Citrobacter freundii

## 2) Edwardsiellaeae+

### 1. Edwardsiella+

Edwardsiella hoshinae  
Edwardsiella ictaluri  
Edwardsiella tarda

## 3) Erwinieae+

### 1. Erwinia+

Erwinia amylovora  
Erwinia carotovora

## 4) Escherichieae+

### 1. Escherichia+

Escherichia blattae  
Escherichia coli  
Escherichia fergusonii  
Escherichia hermannii  
Escherichia vulneris

### 2. Shigella+

Shigella boydii  
Shigella dysenteriae  
Shigella flexneri  
Shigella sonnei

## 5) Klebsielleae+

## 1. Enterobacter+

Enterobacter aerogenes  
Enterobacter agglomerans  
Enterobacter amnigenus  
Enterobacter cloacae  
Enterobacter dissolvens  
Enterobacter gergoviae  
Enterobacter intermedium  
Enterobacter nimipressuralis  
Enterobacter sakazakii  
Enterobacter taylori

## 2. Hafnia+

Hafnia alvei  
Hafnia alvei sp.

## 3. Klebsiella+

Klebsiella oxytoca  
Klebsiella ozaenae  
Klebsiella planticola  
Klebsiella pneumoniae  
Klebsiella rhinoscleromatis  
Klebsiella terrigena  
Klebsiella trevisanae

## 4. Serratia+

Serratia ficaria  
Serratia fonticola  
Serratia grimesii  
Serratia liquefaciens  
Serratia marcescens  
Serratia odorifera  
Serratia plymuthica  
Serratia proteamaculans  
Serratia rubidaea

## 6) Other genera+

### 1. Battiauxella

### 2. Budvicia

### 3. Cedecea+

Cedecea davisae  
Cedecea lapagii  
Cedecea neteri

**Ewingella**  
**Kluyvera**  
**Koserella**  
**Leminorella**  
**Moellerella**  
**Obesumbacterium**  
**Rhanella**  
**Tatumella**  
**Xenorhabdus**

## **7) Proteeae+**

### **1. Morganella+**

*Morganella morganii*

### **2. Proteus+**

*Proteus mirabilis*

*Proteus myxofaciens*

*Proteus penneri*

*Proteus vulgaris*

### **3. Providencia+**

*Providencia alcalifaciens*

*Providencia rettgeri*

*Providencia rustigianii*

*Providencia stuartii*

## **8) Salmonelleae+**

### **1. Salmonella+**

*Salmonella enterica arizonae*

*Salmonella enterica bongori*

*Salmonella enterica diarizonae*

*Salmonella enterica enterica*

*Salmonella enterica houtenae*

*Salmonella enterica salamae*

## **9) Yersinieae+**

### **1. Yersinia+**

*Yersinia aldovae*

*Yersinia enterocolitica*

*Yersinia frederiksenii*



*Yersinia intermedia*  
*Yersinia kristensenii*  
*Yersinia pestis*  
*Yersinia pseudotuberculosis*  
*Yersinia ruckerii*

## **FUNGI**

### **1) Aspergillus+**

*Aspergillus amsterodami*  
*Aspergillus flavus*  
*Aspergillus fumigatus*  
*Aspergillus niger*  
*Aspergillus terreus*

### **2) Dematiaceous Molds (yeast)+**

#### **1. Altemaria**

#### **2. Aureobasidium+**

*Aureobasidium pullulans*

#### **3. Bipolaris**

#### **4. Cladosporium+**

*Cladosporium bantianum*  
*Cladosporium carrionii*

#### **5. Curvularia**

#### **6. Drechslera**

#### **7. Epicoccum**

#### **8. Exophiala+**

*Exophiala jeanselmei*  
*Exophiala wemickii*

#### **9. Exserohilum**

#### **10. Fonsecaea+**

*Fonsecaea pedrosi*

#### **11. Helminthosporium**

#### **12. Nigrospora**

#### **13. Phialophora+**

*Phialophora richardsiae*  
*Phialophora verrucosa*

#### **14. Stemphylium**

#### **15. Ulocladium**

## 16. Wangiella+

Wangiella dermatitis

## 3) Dimorphic Molds+

Blastomyces dermatitidis

Coccidioides immitis

Emmonsia crescens

Histoplasma capsulatum

Paracoccidioides brasiliensis

Sporothrix schenckii

## 4) Epidermophyton+

Epidermophyton floccosum

## 5) Hyaline Saprobes+

### 1. Acremonium (Cephalosporium)

### 2. Fusarium

### 3. Gliocladium

### 4. Paecilomyces

### 5. Penicillium+

Penicillium digitatum

Penicillium expansum

Penicillium chrysogenum

Penicillium notatum

Penicillium roqueforti

Streptomyces venezuelae

### 6. Scedosporium

### 7. Scopulariopsis

### 8. Trichoderma

## 6) Keratinomyces+

Keratinomyces anjelii

## 7) Madurella

## 8) Microsporum+

Microsporum audouinii

Microsporum canis

Microsporum gypseum

## 9) Pitysporum ovale

## 10) Trichophyton+

Trichophyton ferrugineum  
Trichophyton megninii  
Trichophyton mentagrophytes  
Trichophyton mentagrophytes interdigit.  
Trichophyton rubrum  
Trichophyton schoenleini  
Trichophyton tonsurans  
Trichophyton tonsurans sulphureum  
Trichophyton verrucosum  
Trichophyton violaceum

## 11) Yeast (kvasinky)+

### 1. Candida+

Candida albicans  
Candida glabrata  
Candida guilliermondii  
Candida krusei  
Candida parapsilosis  
Candida pseudotropicalis  
Candida rugosa  
Candida stellatoidea  
Candida tropicalis

### 2. Cryptococcus+

Cryptococcus albidus albidus  
Cryptococcus albidus diffluens  
Cryptococcus gastricus  
Cryptococcus laurentii  
Cryptococcus luteolus  
Cryptococcus neoformans  
Cryptococcus terreus  
Cryptococcus uniguttulatus

### 3. Geotrichum+

Geotrichum candidum

### 4. Malassezia+

Malassezia furfur

### 5. Nocardia minutissima

## 12) Zygomycetes+

### 1. Absidia

## 2. Cunninghamella

### 3. Mucor+

Mucor mucedo

Mucor racemodus A

Mucor racemodus B

### 4. Rhizopus

## GRAM - NEGATIVE COCCI

### 1) Neisseriaceae+

#### 1. Acinetobacter+

Acinetobacter anitratus

Acinetobacter calcoaceticus

Acinetobacter lwofii

#### 2. Branhamella+

Branhamella catarrhalis

#### 3. Kingella+

Kingella denitrificans

Kingella indologenes

Kingella kingae

#### 4. Moraxella+

Moraxella atlantae

Moraxella lacunata

Moraxella nonliquefaciens

Moraxella osloensis

Moraxella phenylpyruvica

Moraxella urethralis

#### 5. Neisseria+

Branhamella catarrhalis

Neisseria cinerea

Neisseria elongata

Neisseria flavescens

Neisseria gonorrhoeae

Neisseria lactamica

Neisseria meningitidis

Neisseria mucosa

Neisseria polysacchareae

Neisseria sicca

Neisseria subflava

## GRAM-POSITIVE BACILLI

### 1) Bacillaceae-nonsporulating+

## 1. Erysipelothrix+

Erysipelothrix rhusiopathiae

## 2. Kurthia+

Kurthia bessonii

## 3. Lactobacillus+

Lactobacillus acidophilus

Lactobacillus casei

Lactobacillus cellobiosus

Lactobacillus fermenti

Lactobacillus helveticus

Lactobacillus plantarum

Leuconostoc mesenteroides

## 4. Listeria+

Listeria dentrificans

Listeria grayi

Listeria innocua

Listeria ivanovii (bulgarica)

Listeria monocytogenes

Listeria murrayi

Listeria seeligeri

Listeria welshimeri

# 2) Bacillaceae-sporulating+

## 1. Bacillus+

Bacillus alvei

Bacillus anthracis

Bacillus brevis

Bacillus cereus

Bacillus circulans

Bacillus coagulans

Bacillus firmus

Bacillus laterosporus

Bacillus lentus

Bacillus licheniformis

Bacillus macerans

Bacillus megaterium

Bacillus mycoides

Bacillus polymyxa

Bacillus pumilus

Bacillus sphaericus

Bacillus stearothermophilus

Bacillus subtilis

Bacillus thuringiensis

# 3) Irregular or Coryneform Nonspor. Bacilli+

## 1. Arcanobacterium+

Arcanobacterium haemolyticum

## 2. Arthrobacterium

## 3. Aureobacterium

## 4. Brevibacterium+

Brevibacterium acetylicum

## 5. Corynebacterium+

Corynebacterium aquaticum

Corynebacterium bovis

Corynebacterium diphtheriae

Corynebacterium matruchotii

Corynebacterium minutissimum

Corynebacterium pseudodiphth. (hofmanii)

Corynebacterium pseudotuberculosis (ovis)

Corynebacterium renale

Corynebacterium ulcerans

Corynebacterium xerosis

## 6. Curtobacterium

## 7. Microbacterium

## 8. Nocardia+

Nocardia asteroides

Nocardia brasiliensis

Nocardia caviae

Nocardia farcinica

## 9. Renibacterium

## 10 Rothia+

Rothia dentocariosa

# GRAM POSITIVE COCCI

## 1) Micrococcaceae+

### 1. Micrococcus+

Micrococcus agilis

Micrococcus halobius

Micrococcus kristinae

Micrococcus luteus

Micrococcus lylae

Micrococcus nishinomiyaensis

Micrococcus pharoides

Micrococcus roseus

Micrococcus sedentarius

Micrococcus varians

## 2. Planococcus+

Planococcus citreus

Planococcus halophilus

## 3. Staphylococcus+

Staphylococcus aureus

Staphylococcus auricularis

Staphylococcus capitis

Staphylococcus cohnii

Staphylococcus epidermidis

Staphylococcus haemolyticus

Staphylococcus hominis

Staphylococcus saccharolyticus

Staphylococcus saprophyticus

Staphylococcus simulans

Staphylococcus warneri

Staphylococcus xylosus

## 2) Streptococci+

### 1. Aerococci

### 2. Group A+

Streptococcus pyogenes

### 3. Group B+

Streptococcus agalactiae

### 4. Group C+

Streptococcus dysgalactiae

Streptococcus equi

Streptococcus equisimilis

### 5. Group D+

#### a) Enterococcus+

Enterococcus durans

Enterococcus faecalis

Enterococcus faecium

#### b) Nonenterococcus+

Streptococcus avium

Streptococcus bovis

Streptococcus equinus

### 6. Group F+

Streptococcus anginosus

### 7. Group G+

Streptococcus canis

### 8. Group H+

Streptococcus sanguis

## 9. Group K+

*Streptococcus salivarius*

## 10. Streptococci viridans+

*Streptococcus acidominimus*

*Streptococcus avium*

*Streptococcus bovis*

*Streptococcus constellatus*

*Streptococcus equinus*

*Streptococcus intermedius*

*Streptococcus mitis*

*Streptococcus morbillorum*

*Streptococcus mutans*

*Streptococcus salivarius*

*Streptococcus sanguis I*

*Streptococcus sanguis II*

*Streptococcus uberis*

## 11. Streptococcus pneumoniae

# INTRACELULAR PATHOGENS

## 1) Chlamydiaceae+

### 1. Chlamydia+

*Chlamydia pneumoniae*

*Chlamydia psittaci*

*Chlamydia trachomatis*

## 2) Rickettsiales+

### 1. Bartonellaceae+

*Bartonella*+

*Bartonella bacilliformis*

### 2. Rickettsiaceae+

#### a) Ehrlichieae+

*Ehrlichia*+

*Ehrlichia sennetsu*

#### b) Rickettsiae+

*Coxiella*+

*Coxiella burnetii*

*Rickettsia*+

*Rickettsia akari*

*Rickettsia australis*

*Rickettsia conorii*

*Rickettsia prowazekii*

*Rickettsia rickettsii*



Rickettsia siberica  
Rickettsia tsutugamuschi  
Rickettsia typhi  
Rochalimaea+  
Rochalimaea Quintana

## 3) Viruses

### 1. DNA-viruses+

#### a) Adenoviridae+

##### 1. Aviadenovirus

##### 2. Mastadenovirus+

Adenoviruses types 1-37

Adenoviruses types 40-41

#### b) Herpesviridae+

##### 1. Alphaherpesvirinae+

Herpes simplex virus type 1 HSV1

Herpes simplex virus type 2 HSV2

Human herpes 3 Varicella - zoster virus (VZV)

##### 2. Betaherpesvirinae+

Cytomegalovirus (CMV) - human herpes 5

Muromegalovirus

Roseolovirus herpes 6 HHV6

Roseolovirus herpes 7 HHV7

##### 3. Gammaherpesvirinae+

Lymphocryptovirus 4 Epstein-Barr virus (EBV)

Rhadinovirus herpes 8 HHV8

Thetalymphecryptoviruses

#### c) Iridoviridae+**MŮŽEME VYNECHAT**

African swine fever virus

Iridovirus

Ranavirus

#### d) Papovaviridae+

##### 1. Papillomavirus+

Human Papillomavirus HR type 16

Human Papillomavirus HR type 18

Human Papillomavirus HR type 31

Human Papillomavirus HR type 33

Human Papillomavirus HR type 35

Human Papillomavirus HR type 45

Human Papillomavirus HR type 45

Human Papillomavirus HR type 51

Human Papillomavirus HR type 52

Human Papillomavirus HR type 53

Human Papillomavirus HR type 56

Human Papillomavirus HR type 58

Human Papillomavirus LR type 11

Human Papillomavirus LR type 34  
Human Papillomavirus LR type 40  
Human Papillomavirus LR type 42  
Human Papillomavirus LR type 43  
Human Papillomavirus LR type 44  
Human Papillomavirus LR type 54  
Human Papillomavirus LR type 6  
Human Papillomavirus LR type 74

## **2. Polyomavirus+**

BK virus  
JC virus  
SV-40 virus

## **e) Parvoviridae+**

### **1. (HPLA)+**

Parvovirus B 19 (eryth.infectios.virus)

### **2. Densovirus**

### **3. Dependovirus**

### **4. Parvovirus+**

Human parvovirus-like agent virus  
Norwalk agent virus

## **f) Poxviridae+**

Avipoxvirus  
Capripoxvirus  
Insect poxviruses  
Leporipoxvirus  
Molluscum contagiosum

### **1. Orthopoxvirus+**

Cowpox virus (virus kravských neštovic)  
Monkeypox virus  
Vaccinia virus  
Variola (smallpox) virus

### **2. Parapoxvirus+**

Orf virus  
Suipoxvirus  
Tanapoxvirus  
Yabapoxvirus

## **2. RNA - viruses+**

## **a) Arenaviridae+**

### **1. (LCM)+**

Junin virus (Argentinian hem. fever)  
Machupo virus (Bolivian hem. fever)

### **2. Arenavirus+**

Lassa virus Krvácivá horečka  
Lymphocytic choriomeningitis virus

## **b) Bunyaviridae+ MŮŽEME VYNECHAT**

### **1. Bunyavirus+**

Virus Calovo

Virus Encephalitis californica

Virus Hantaan

Virus Lednice

Virus Tahyna

## **2. Nairovirus+**

Virus Bhanja

Virus crimean haemorrhagic fever

Phlebovirus+

Uukuvirus+

## **c) Calciviridae+ běžné střevní viry( Noro viry)endiaron ,černé uhlí , MN**

### **1. Calcivirus+**

Calcivirus Norwalk agent

### **2. Coronaviridae+MŮŽEME VYNECHAT**

Coronavirus

### **3. Filoviridae+MŮŽEME VYNECHAT**

Ebola virus

Marburg virus

## **d) Hepadnaviridae+**

Virus hepatitis B

Virus hepatitis D

Virus hepatitis non A non B

## **e) Orthomyxoviridae+**

### **1. Influenzaviruses A+**

Influenzaviruses A H1N1

Influenzaviruses A H2N2

Influenzaviruses A H3N2

Influenzaviruses A H5N1

Influenzaviruses B

Influenzaviruses C

## **f) Paramyxoviridae+**

### **1. Morbillivirus+**

Morbilli virus

### **2. Paramyxovirus+**

Parainfluenzaviruses 1

Parainfluenzaviruses 2

Parainfluenzaviruses 3

Parainfluenzaviruses 4

Paratosis virus

### **3. Pneumovirus+**

Respiratory syncytial virus (RSV)

## **g) Picornaviridae+**

Aphthovirus

### **1. Cardiovirus+**

Virus encephalomyocarditis (EMC)

### **2. Enterovirus+**

Coxsackievirus A 23 type

Coxsackievirus B types 1-6

Echovirus 31 type

Enterovirus 68 type  
Enterovirus 68-71 types  
Enterovirus 70 type  
Enterovirus 72 type (hepatitis A)  
Poliovirus 1,2,3 (Viruses poliomyelitis)  
Rhinovirus

## **h) Reoviridae+střevní virus**

### **Orbivirus+**

Virus Lipovnik  
Reovirus  
Rotavirus průjem , dehydratace

## **i) Retroviridae+**

### **Lentivirinae+**

HIV 1  
HIV 2  
Virus Visna-Maedi  
Monkey - viruses type D  
Onkoviruses type B  
Onkoviruses type C  
Spumavirinae

## **j) Rhabdoviridae+MŮŽEME VYNECHAT**

## **k) Togaviridae+velice důležitá skupina, je zde 90% všeho, co přenáší b**

Předložka ARBO znamená vše co je přenosno hmyzem

### **1. Alphavirus+přenosné hmyzem/symptomy blízké encefalitida - bolest hlavy ,svalů, chřipkové stavy**

Group A arboviruses  
Virus EEE  
Virus Sindbis  
Virus VEE  
Virus WEE

### **2. Flavivirus+Nervová soustava/symptomy klíšťové encefalitidě**

Group B arboviruses  
Tick-borne encephalitis virus (FSME)  
Virus dengueBolí pohybový aparát, vysoké teploty a bolí za očima(říká se jí horečka lámající kosti)přenc  
Virus hepatitidy C žloutenka MMS ASPOŇPŮL ROKU 2\*3\*denně (Močo pohlavní trakt důležité zkontrolo  
Virus japanese encephalitis B  
Virus of encephalitis St. Louis  
Virus of yellow feverVirus žluté zimnice  
Virus West - NileHorečky .napadený pohybový aparát lidé se začínají učit chodit

### **Pestivirusprasečí mor**

**Rubivirus+je důležitý = nervové choroby / autisti / očkování/ alzheimerr lidi kteří strácí paměť(pravide**

Rubeola virus

Virus hepatitis E  
Virus kuruMŮŽEME VYNECHAT  
Virus morbus Creutzfeldt-Jakob

## **MISCEL.ET FASTID. GRAM-NEGATIVE BACILLI +**

## 1) Actinobacillus+

Actinobacillus actinomycetemcomitans  
Actinobacillus equuli  
Actinobacillus lignieresii  
Actinobacillus suis

## 2) Aeromonas+

Aeromonas caviae  
Aeromonas hydrophila  
Aeromonas salmonicida  
Aeromonas sobria

## 3) Brucella+

Brucella abortus (cattle)  
Brucella canis (dogs)  
Brucella melitensis (goats)  
Brucella suis (pigs)

## 4) Calymmatobacterium+

Calymmatobacterium granulomatis

## 5) Campylobacter coll+

Campylobacter cinaedi  
Campylobacter concisus  
Campylobacter faecalis  
Campylobacter fennelliae  
Campylobacter hyointestinalis  
Campylobacter lariidis  
Campylobacter nitrofigilis  
Campylobacter pylori

### 1. Campylobacter sputorum+

Campylobacter sputorum bubulus  
Campylobacter sputorum mucosalis  
Campylobacter sputorum sputorum

## 6) Campylobacter+

### 1. Campylobacter fetus+

Campylobacter fetus fetus  
Campylobacter fetus venerealis  
Campylobacter jejuni

## 7) Capnocytophaga+

Capnocytophaga gingivalis  
Capnocytophaga ochracea  
Capnocytophaga sputigena

## 8) **Cardiobacterium+**

Cardiobacterium hominis

## 9) **DF-2**

## 10) **EF-4**

## 11) **Eikenella+**

Eikenella corrodens

## 12) **Francisella+**

Francisella tularensis

## 13) **Gardenerella+**

Gardenerella vaginalis

## 14) **Haemophilus+**

Haemophilus aegyptus  
Haemophilus aphrophilus  
Haemophilus ducreyi  
Haemophilus haemoglobinophilus  
Haemophilus haemolyticus  
Haemophilus influenzae  
Haemophilus paraaphrophilus  
Haemophilus parahaemolyticus  
Haemophilus parainfluenzae  
Haemophilus segnis  
Haemophilus suis

## 15) **HB-S**

## 16) **Heliobacter+**

Heliobacter acynomyx  
Heliobacter cinaedi  
Heliobacter felis  
Heliobacter fennelliae  
Heliobacter heilmanii  
Heliobacter muridareum  
Heliobacter mustellae  
Heliobacter pylori

## 17) **Chromobacterium+**

Chromobacterium violaceum

## 18) Legionella+

Legionella anisa  
Legionella dumoffii  
Legionella erythra  
Legionella feeleii  
Legionella gormanii  
Legionella hackeliae  
Legionella hozemaniai  
Legionella cherrii  
Legionella longbeachae  
Legionella israelensis  
Legionella jamestowniensis  
Legionella jordanis  
Legionella maceachemii  
Legionella micdadei  
Legionella oakridgensis  
Legionella parisiensis  
Legionella pneumophila  
Legionella rubrilucens  
Legionella sainthelensi  
Legionella santacrucis  
Legionella steigerwaltii  
Legionella wadsworthii

## 19) Pasteurella+

Pasteurella aerogenes  
Pasteurella gallinarum  
Pasteurella haemolytica  
Pasteurella multocida  
Pasteurella pneumotropica  
Pasteurella ureae

## 20) Plesiomonas+

Plesiomonas shigelloides

## 21) Spirillum+

Spirillum minus  
Spirillum rubrum

## 22) Streptobacillus+

Streptobacillus moniliformis

## 23) Vibrio+

Vibrio alginolyticus  
Vibrio damsella

Vibrio fluvialis  
Vibrio fumissii  
Vibrio hollisae  
Vibrio cholerae  
Vibrio cholerae non-01  
Vibrio metschnikovii  
Vibrio mimicus  
Vibrio parahaemolyticus  
Vibrio vulnificus

## **MOLLICUTES**

### **1) Acholeplasma**

### **2) Anaeroplasm**

### **3) Mycoplasma+**

Mycoplasma buccale  
Mycoplasma fermentans  
Mycoplasma genitalium  
Mycoplasma hominis  
Mycoplasma orale  
Mycoplasma penetrans  
Mycoplasma pneumoniae  
Mycoplasma salivarium  
Mycoplasma urealyticum

### **4) Spiroplasma**

### **5) Thermoplasma**

### **6) Ureaplasma+**

Ureaplasma urealyticum

## **MYCOBACTERIA +**

Mycobacterium africanum  
Mycobacterium asiaticum  
Mycobacterium avium complex  
Mycobacterium bovis  
Mycobacterium flavescens  
Mycobacterium fortuitum  
Mycobacterium gastri  
Mycobacterium goodii  
Mycobacterium hemophilum  
Mycobacterium chelonae  
Mycobacterium kansasii



Mycobacterium leprae  
Mycobacterium malmoeense  
Mycobacterium marinum  
Mycobacterium scrofulaceum  
Mycobacterium simiae  
Mycobacterium szulgai  
Mycobacterium terrae  
Mycobacterium triviale  
Mycobacterium tuberculosis  
Mycobacterium ulcerans  
Mycobacterium xenopei

## **NON-FERMENTATIVE GRAM-NEGATIVE BACILLI +**

### **1) Acinetobacter+**

#### **1. Acinetobacter calcoaceticus+**

Acinetobacter calcoaceticus anitratus  
Acinetobacter calcoaceticus lwoffii

### **2) Achromobacter+**

Achromobacter xylosoxidans

### **3) Alcaligenes+**

Alcaligenes denitrificans  
Alcaligenes faecalis  
Alcaligenes odorans

### **4) Bordatella+**

Bordatella bronchiseptica  
Bordatella parapertussis  
Bordatella pertussis

### **5) Flavobacterium+**

Flavobacterium breve  
Flavobacterium meningosepticum  
Flavobacterium multivorum  
Flavobacterium odorans

### **6) Kingella+**

Kingella denitrificans  
Kingella indologenes  
Kingella kingae

## 7) Moraxella+

Moraxella atlantae  
Moraxella lacunata  
Moraxella nonliquefaciens  
Moraxella osloensis  
Moraxella phenylpyruvica  
Moraxella urethralis

## 8) Pseudomonas+

### 1) RNA Group I+

Pseudomonas aeruginosa  
Pseudomonas alcaligenes  
Pseudomonas fluorescens  
Pseudomonas mendocina  
Pseudomonas other species of the Group I  
Pseudomonas pseudoalkaligenes  
Pseudomonas putida  
Pseudomonas seruginosa  
Pseudomonas stutzeri

### 2) RNA Group II+

Pseudomonas cepacia  
Pseudomonas gladioli  
Pseudomonas pickettii  
Pseudomonas pseudomallei

### 3) RNA Group III+

Pseudomonas acidovorans  
Pseudomonas delavieidii  
Pseudomonas testosteroni

### 4) RNA Group IV+

Pseudomonas diminuta  
Pseudomonas vesicularis

### 5) RNA Group V+

Pseudomonas (Xanthomonas) malthophilia

## PARASITES

### 1) Annelida+

#### 1) Hirudinea+

Hirudo medicinalis

### 2) Arthropoda+

## 1) Archanida+

### a) Argasidae+

Argas polonicus

Argas reflexus

### b) Ixodidae+

Dermacentor spec.

Haemaphysalis spec.

Ixodes ricinus

### c) Pyroglyphidae+

Dermatophagoides farinae

Dermatophagoides pteronyssinus

## 2) Insecta+

### a) Anoplura+

Pediculus capitis

Pediculus corporis

Pediculus pubis

### b) Aphaniptera+

Ceratophyllus gallinae

Ctenocephalides canis

Pulex irritans

Tunga penetrans

Xenopsylla cheopis

### c) Demodex+

Demodex brevis

Demodex folliculorum

### d) Diptera+

Ceratopogonidae

Cochliomyia hominivorax

Cordylobia anthropophagea

Culicidae

Glossinidae

Mucidae

Phlebotominae

Simuliidae

Tabanidae

### e) Heteroptera+

Climex lectularius

Hypoderma

Neotrombicula autumnalis

Sarcoptes scabiei

## 3) Nemathelminthes+

### 1. Nematoda+

Ancylostoma duodenale

Ascaris lumbricoides  
Dirofilaria immitis  
Dirofilaria repens  
Dracunculus medinensis  
Necator americanus  
Strongyloides stercoralis  
Trichinella spiralis  
Trichuris trichura

**a) Microfilaria+VLASOVCI/IVERMECTIN 6 mg, IVERFAST 12mg,Hetrazai**

Brugia malayi  
Loa loa  
Onchocerca volvulus  
Wuchereria bancrofti

**b) Toxocara+**

Toxocara canis  
Toxocara cati

## 4) Plathelminthes+

### 1. Cestoda+

Diphyllobothrium latum  
Dipylidium caninum  
Echinococcus granulosus  
Echinococcus multilocularis  
Hymenolepis diminuta  
Hymenolepis nana  
Taenia saginata  
Taenia solium

### 2. Trematoda+

Clonorchis sinensis  
Eurythrema pancreaticum  
Fasciola hepatica  
Fasciolopsis buski  
Opisthorchis felinus  
Opisthorchis viverrini  
Paragonimus westermani  
Schistosoma haematobium  
Schistosoma intercalatum  
Schistosoma japonicum  
Schistosoma malayensis  
Schistosoma mansoni  
Schistosoma mekongi  
Trichobilharzia

## 5) Protozoa+PRVOCI

**1. Amoebae (Rhizopoda)+ AMÉBA-MĚŇAVKA / MACMIROR,EN**

Acanthamoeba spp.  
Dientamoeba fragilis  
Endolimax nana  
Entamoeba coli  
Iodamoeba butschlii  
Naegleria fowleri

### **a) Entamoeba histolytica+**

Entamoeba histolytica magna  
Entamoeba histolytica minuta

## **2. Blastocystis+**

Blastocystis hominis

## **3. Ciliata+**

Balantidium coli

## **4. Coccidia+**

### **a) Cryptosporidium species+**

Cryptosporidium parvum

Isospora belli  
Plasmodium falciparum Způsobuje malárii  
Plasmodium malariae Způsobuje malárii  
Plasmodium ovale Způsobuje malárii  
Plasmodium vivax Způsobuje malárii  
Sarcocystis species  
Toxoplasma gondii

## **5. Flagellates (Zoomastigina)+**

Giardia intestinalis  
Giardia lamblia  
Chilomastix mesnili  
Leishmania braziliensis  
Leishmania donovani  
Leishmania infantum  
Leishmania major  
Leishmania tropica  
Trichomonas hominis  
Trichomonas vaginalis  
Trypanosoma cruzi  
Trypanosoma gambiense  
Trypanosoma rhodesiense

## **6. Microspora+**

Enterocytozoon bieneusii  
Enterocytozoon cuniculi  
Enterocytozoon hellen  
Nosema comeum  
Septata intestinalis

## 7. Piroplasmia+

Babesia bovis

Babesia divergens

Babesia microti

Pneumocystis carinii

## SPIROCHAETALES +

### 1) Leptospiraceae+

#### 1. Leptospira+

Leptospira biflexa

Leptospira interrogans

Leptospira parva

### 2) Spirochaetaceae+

#### 1. Borrelia+zkontrolovat také Rubivirus jsou to kámoši :-)

Borrelia caucasica

Borrelia cruttonii

Borrelia duttoni

Borrelia hermsii

Borrelia hermsii

Borrelia hispanica

Borrelia recurrentis

Borrelia vincenti

#### a) Borrelia burgdorferi group+

Borrelia afzelii

Borrelia andersonii

Borrelia bissetii

Borrelia burgdorferi

Borrelia garinii

Borrelia japonica

Borrelia tanukii

Borrelia turdi

Borrelia valaisiana

#### 2. Christospira

#### 3. Spirochaeta

#### 4. Treponema+

Treponema bryantii

Treponema carateum

Treponema denticola

Treponema hyodysenteriae

Treponema innocens

Treponema minutum

Treponema pectinovorum

Treponema pertenue

Treponema phagendenis

Treponema refringens

Treponema scoliodontum

Treponema socranskii

Treponema vincentii

### **a) Treponema pallidum+Způsobuje syfilis**

Treponema pallidum endemicum

Treponema pallidum pertenue











































**1S( jsou ve vodě mírné střevní potíže)**

## **odavý hmyz( prepatráty FSME A CRANIUM)**

,mírné teploty většina lidí vůbec nic jim není

js komárem

vat portnera)krev ,slinivka ,játra ,žaludek,žlučník

!lná aktivace při borellie ,nutně zkontrolovat borelii na nervové soustavě jsou to kámoši :-)

















n

VTIZOL,METROLEX,FLAGIL