

MDH/MLS Challenge Set Organism List 2025

Acid-fast bacilli, NOS	<i>Candida famata</i>
Possible acid-fast bacilli, NOS	<i>Candida glabrata</i>
<i>Acinetobacter</i> sp.	<i>Candida guilliermondii</i>
<i>Acinetobacter baumannii</i>	<i>Candida haemulonii</i>
<i>Acinetobacter calcoaceticus/baumannii</i> complex	<i>Candida lusitanae</i>
<i>Acinetobacter lwoffii</i>	<i>Candida parapsilosis</i>
<i>Actinobacillus</i> sp.	<i>Candida sake</i>
<i>Actinomyces</i> sp.	<i>Candida tropicalis</i>
<i>Aerococcus</i> sp.	<i>Candida</i> spp.
<i>Aeromonas</i> sp.	<i>Candida</i> sp. not <i>C. albicans</i>
<i>Aggregatibacter aphrophilus</i>	<i>Campylobacter</i> sp.
<i>Alcaligenes</i> sp.	Possible <i>Campylobacter</i> sp.
<i>Alcaligenes faecalis</i>	<i>Campylobacter coli</i>
<i>Arcanobacterium</i> sp.	<i>Campylobacter jejuni</i>
<i>Arcanobacterium haemolyticum</i>	<i>Campylobacter upsaliensis</i>
<i>Arcanobacterium pluranimalium</i>	<i>Capnocytophaga</i> sp.
<i>Arcobacter</i> sp.	<i>Capnocytophaga canimorsus</i>
<i>Bacillus</i> sp.	<i>Cardiobacterium</i> sp.
<i>Bacillus</i> sp., not <i>B. anthracis</i>	<i>Chromobacterium violaceum</i>
<i>Bacillus anthracis</i>	<i>Citrobacter freundii</i>
Possible <i>Bacillus anthracis</i>	<i>Citrobacter koseri</i>
<i>Bacillus cereus</i>	<i>Clostridium</i> sp.
<i>Bacillus megaterium</i>	<i>Corynebacterium</i> sp.
<i>Bacillus mycoides</i>	<i>Corynebacterium confusum</i>
<i>Bacillus thuringiensis</i>	Possible <i>Corynebacterium diphtheriae</i>
<i>Bordetella bronchiseptica</i>	<i>Corynebacterium diphtheriae</i>
<i>Bordetella holmesii</i>	<i>Corynebacterium imitans</i>
<i>Bordetella parapertussis</i>	<i>Corynebacterium jeikeium</i>
<i>Bordetella pertussis</i>	<i>Corynebacterium</i> sp. not <i>C. jeikeium</i>
Possible <i>Brucella</i> sp.	<i>Corynebacterium minutissimum</i>
<i>Brucella</i> sp.	<i>Corynebacterium simulans</i>
<i>Brucella abortus</i>	<i>Cronobacter sakazakii</i>
<i>Brucella canis</i>	Diphtheroid bacillus, NOS
<i>Brucella melitensis</i>	<i>Edwardsiella</i> sp.
<i>Brucella ovis</i>	<i>Eikenella corrodens</i>
<i>Brucella suis</i>	<i>Enterobacter</i> sp.
<i>Burkholderia</i> sp.	<i>Enterobacter cloacae</i>
<i>Burkholderia cepacia</i>	<i>Enterobacter cloacae</i> complex
<i>Burkholderia mallei</i>	<i>Enterococcus</i> sp.
Possible <i>B. mallei</i>	<i>Enterococcus</i> sp., vancomycin resistant (VRE)
<i>Burkholderia pseudomallei</i>	<i>Enterococcus casseliflavus</i>
Possible <i>B. pseudomallei</i>	<i>Enterococcus faecalis</i>
<i>Burkholderia thailandensis</i>	<i>Enterococcus faecium</i>
<i>Candida albicans</i>	<i>Enterococcus gallinarum</i>
<i>Candida auris</i>	<i>Erwinia</i> sp.
<i>Candida catenulata</i>	<i>Erysipelothrix</i> sp.
<i>Candida duobushaemulonii</i>	<i>Erysipelothrix tonsillarum</i>

Erysipelothrix rhusiopathiae
Escherichia albertii
Escherichia coli
 Possible *E. coli* O157
Escherichia coli O157
 Possible *E. coli* O157:H7
Escherichia coli O157:H7
 Shiga toxin-producing *Escherichia coli* (STEC)
 Shiga toxin-producing *Escherichia coli* (STEC), not O157
E. coli, sorbitol negative
Eubacterium sp.
 Filamentous fungus, NOS
Flavobacterium sp.
 Possible *Francisella tularensis*
Francisella sp.
Francisella novicida
Francisella philomiragia
Francisella tularensis
 Gram-negative bacilli, NOS
 Gram-negative coccobacilli, NOS
 Gram-negative bacilli, oxidase negative
 Gram-negative bacilli, oxidase positive
 Gram-positive bacilli, NOS
 Gram-positive cocci, NOS
 Gram-positive, spore forming bacillus, NOS
 Possible *Haemophilus* sp.
Haemophilus sp.
Haemophilus ducreyi
Haemophilus influenzae
Haemophilus parahaemolyticus
Haemophilus parainfluenzae
Hafnia sp.
Hafnia alvei
Helicobacter sp.
Helicobacter pylori
Kingella sp.
Kingella denitrificans
Kingella kingae
Kingella oralis
Klebsiella sp.
Klebsiella aerogenes
Klebsiella variicola
Klebsiella oxytoca
Klebsiella pneumoniae
Lactobacillus sp.
Lactobacillus acidophilus
Lactococcus sp.
Legionella sp.
Legionella sp., not *L. pneumophila*
Legionella pneumophila
Leuconostoc sp.
Listeria sp.

Listeria monocytogenes
 Mixed Flora, no predominating organism
Moraxella sp.
Moraxella catarrhalis
Morganella morganii
Micrococcus sp.
Mycobacterium sp.
Mycobacterium other than *M. tuberculosis* complex
Neisseria sp.
Neisseria sp., not *N. meningitidis*
Neisseria gonorrhoeae
Neisseria meningitidis
Nocardia sp.
Nocardia asteroides
Nocardia asteroides complex
Nocardia brasiliensis
 No growth
 No enteric pathogens
 No *Salmonella*, *Shigella*, *Campylobacter*, *E. coli* O157 isolated
 No *Salmonella*, *Shigella*, *Campylobacter* isolated
 No *Shigella*, *Campylobacter*, *E. coli* O157 isolated
 No *Salmonella*, *Campylobacter*, *E. coli* O157 isolated
 No *Salmonella*, *Shigella*, *E. coli* O157 isolated
 Normal flora, no pathogens
 Non-fermenting gram-negative bacilli
Oligella sp.
Oligella ureolytica
Oligella urethralis
Pantoea sp.
Pantoea agglomerans
Paraburkholderia fungorum
Pasteurella sp.
Pasteurella multocida
Pediococcus sp.
Plesiomonas sp.
Plesiomonas shigelloides
Proteus sp.
Proteus mirabilis
Proteus penneri
Proteus vulgaris
Providencia sp.
Providencia stuartii
Pseudomonas sp.
Pseudomonas aeruginosa
Pseudomonas fluorescens/putida
Pseudomonas luteola
Pseudomonas stutzeri
Psychrobacter phenylpyruvicus
Raoultella sp.
Raoultella ornithinolytica
Rhodococcus sp.
Salmonella sp.

Salmonella Group B
Salmonella Group D
Salmonella sp. Not Typhi
Salmonella sp. Not Paratyphi
Salmonella Enteritidis
Salmonella Typhi
Salmonella Paratyphi
Salmonella Typhimurium
Serratia sp.
Serratia liquefaciens
Serratia marcescens
Shigella sp.
Shigella boydii (Group C)
Shigella dysenteriae (Group A)
Shigella flexneri (Group B)
Shigella sonnei (Group D)
Staphylococcus sp.
Staphylococcus aureus
Staphylococcus aureus, methicillin resistant (MRSA)
Staphylococcus aureus, vancomycin intermediate (VISA)
Staphylococcus aureus, vancomycin resistant (VRSA)
Staphylococcus auricularis
Staphylococcus epidermidis
Staphylococcus coagulase negative
Staphylococcus coagulase positive
Staphylococcus lugdunensis
Staphylococcus pseudintermedius
Staphylococcus saprophyticus
Staphylococcus schleiferi
Stenotrophomonas maltophilia
Streptobacillus moniliformus
Streptococcus, alpha hemolytic
Streptococcus anginosus
Streptococcus, beta hemolytic
Streptococcus, beta hemolytic, untypeable
Streptococcus, Group A
Streptococcus, beta hemolytic, not Group A
Streptococcus, Group B
Streptococcus, not Group B
Streptococcus, beta hemolytic, not Group A or B
Streptococcus, Group C
Streptococcus, Group D
Streptococcus, Group F
Streptococcus, Group G
Streptococcus agalactiae
Streptococcus constellatus
Streptococcus dysgalactiae subsp. *dysgalactiae*
Streptococcus dysgalactiae subsp. *equisimilis* (SDSE)
Streptococcus intermedius
Streptococcus pneumoniae
Streptococcus porcinus
Streptococcus pseudoporcinus

Streptococcus pyogenes
Streptococcus "milleri" group
Streptococcus viridans group
Streptomyces sp.
Suttonella indologenes
Vibrio sp.
Vibrio cholerae
Vibrio parahaemolyticus
Vibrio vulnificus
Yeast NOS
Yeast, not *Cryptococcus* sp.
Yersinia sp.
Yersinia sp., not *Y. pestis*
Possible *Yersinia pestis*
Yersinia enterocolitica
Yersinia pestis
Yersinia pseudotuberculosis