

Infectious Disease Syndromic Menus

Not Typically Detected By Culture

- ◆ Fungal
- ◆ Protozoal
- ◆ Slow Growing
- ◆ Streptococcus Species
- ◆ Anaerobe
- ◆ Not Typically Tested by Culture

RESPIRATORY TRACT INFECTION PLUS INCLUDING COVID-19



Acinetobacter baumannii
 Adenovirus HAdV-B
Bordetella pertussis, parapertussis, bronchiseptica
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia pneumoniae
 Coronavirus (229E, NL63, OC43, and HKU1)
 COVID-19 Coronavirus (SARS-CoV-2)
 Enterobacter aerogenes, cloacae
 Enterovirus (pan)
 Enterovirus D68
 Escherichia coli
 Haemophilus influenzae
 Human metapneumovirus
 Influenza virus A, B
 Klebsiella pneumoniae, oxytoca
 Legionella pneumophila
 Moraxella catarrhalis
Mycoplasma pneumoniae
 Parainfluenza virus (types 1, 2, 3, 4)

Proteus mirabilis, vulgaris
 Pseudomonas aeruginosa
 Respiratory syncytial virus
 Rhinovirus A, C
 Serratia marcescens
 Staphylococcus aureus
Streptococcus agalactiae¹
Streptococcus pneumoniae
Streptococcus pyogenes²

Antibiotic Resistance Genes Below

Add-on Only
Chlamydia trachomatis
Mycobacterium tuberculosis
Neisseria gonorrhoeae

SAMPLE TYPE: Nasopharynx Swab, Cough Sputum Swab, Throat Swab

COMMON RESPIRATORY BACTERIAL/VIRAL INFECTION



Adenovirus HAdV-B
Chlamydia pneumoniae
 COVID-19 Coronavirus (SARS-CoV-2)
 Enterovirus D68
 Haemophilus influenzae
 Human metapneumovirus
 Influenza virus A, B
 Klebsiella pneumoniae, oxytoca

Moraxella catarrhalis
Mycoplasma pneumoniae
 Respiratory syncytial virus
 Staphylococcus aureus

Antibiotic Resistance Genes Below

Streptococcus pneumoniae

SAMPLE TYPE: Nasopharynx Swab, Cough Sputum Swab, Throat Swab

VIRAL RESPIRATORY INFECTION



Adenovirus HAdV-B
 Coronavirus (229E, NL63, OC43, and HKU1)
 COVID-19 Coronavirus (SARS-CoV-2)
 Enterovirus (pan)
 Enterovirus D68
 Human metapneumovirus

Influenza virus A, B
 Parainfluenza virus (types 1, 2, 3, 4)
 Respiratory syncytial virus

Does Not Include Antibiotic Resistance Genes

Rhinovirus A, C

SAMPLE TYPE: Nasopharynx Swab, Cough Sputum Swab, Throat Swab

BACTERIAL PNEUMONIA



Acinetobacter baumannii
Bordetella pertussis, parapertussis, bronchiseptica
Chlamydia pneumoniae
 Haemophilus influenzae
 Klebsiella pneumoniae, oxytoca
 Legionella pneumophila
 Moraxella catarrhalis

Mycoplasma pneumoniae
 Pseudomonas aeruginosa
 Staphylococcus aureus
Streptococcus pneumoniae

Antibiotic Resistance Genes Below

Streptococcus pyogenes²

SAMPLE TYPE: Cough Sputum Swab

INFLUENZA, COVID-19 & RSV



COVID-19 Coronavirus (SARS-CoV-2)
 Influenza virus A, B

Respiratory syncytial virus

Does Not Include Antibiotic Resistance Genes

SAMPLE TYPE: Nasopharynx Swab, Cough Sputum Swab, Throat Swab

PHARYNGITIS



Adenovirus
Bordetella pertussis, parapertussis, bronchiseptica
 Epstein-Barr virus³
 Fusobacterium nucleatum, necrophorum
 Haemophilus influenzae
 Moraxella catarrhalis
 Parainfluenza virus (types 1, 2, 3, 4)
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii

Antibiotic Resistance Genes: dfr (A1, A5), sul (1, 2), ermB, C; mefA, and tet B, tet M only

Streptococcus agalactiae¹
Streptococcus anginosus, constellatus, intermedius⁴
Streptococcus mitis, sanguinis, mutans⁵
Streptococcus pneumoniae

Streptococcus pyogenes²

SAMPLE TYPE: Throat Swab

For COVID-19 Coronavirus (SARS-CoV-2)

This product has not been FDA cleared or approved by FDA, but has been authorized by FDA under an EUA for use by authorized laboratories. This product has been authorized only for the detection of nucleic acid from SARS-CoV-2, not for any other viruses or pathogens; the emergency use of this product is only authorized for the duration of the declaration that circumstances exist justifying the authorization of emergency use of in vitro diagnostics for detection and/or diagnosis of COVID-19 under Section 564(b)(1) of the Act, 21 U.S.C. § 360bbb-3(b)(1), unless the declaration is terminated or the authorization is revoked sooner.

Antibiotic Resistance Genes

VanA, VanB⁶
ermB, C; mefA⁷
SHV, KPC Groups⁸

dfr (A1, A5), sul (1, 2)⁹
mecA¹⁰
qnrA1, qnrA2, qnrB¹¹

tet B, tet M¹²
IMP, NDM, VIM Groups¹³
ACT, MIR, FOX, ACC Groups¹⁴

OXA-48-, 51¹⁵
CTX-M1 (15), M2 (2), M9 (9), M8/25
Groups¹⁶



Customer Care: 866-287-3218

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All Menus

¹Group B Strep (GBS)
²Group A Strep
³Human Herpesvirus 4, EBV
⁴Viridans anginosus group

⁵Viridans group
⁶Vancomycin
⁷Macrolide, Lincosamide, Streptogramin

⁸Class A beta-lactamase
⁹Trimethoprim/Sulfamethoxazole
¹⁰Methicillin
¹¹Fluoroquinolone

¹²Tetracycline
¹³Class B metallo-beta-lactamase
¹⁴AmpC beta-lactamase
¹⁵Class D oxacillinase

Infectious Disease Syndromic Menus

Not Typically Detected By Culture

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- ◆ Anaerobe
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GENITO/STI



Acinetobacter baumannii
Actinomyces israelii
Atopobium vaginae
Bacteroides fragilis
BVAB 2, 3 bacterial vaginosis-associated bacteria 2, 3), Mobiluncus spp.
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia trachomatis
Citrobacter freundii
Enterobacter aerogenes, cloacae

Enterococcus faecalis, faecium
Escherichia coli
Gardnerella vaginalis
Haemophilus ducreyi
Herpes simplex virus 1, 2¹
Klebsiella (Calymmatobacterium) granulomatis
Klebsiella pneumoniae, oxytoca
Megaspheera (Types 1, 2)
Morganella morganii
Mycoplasma genitalium, hominis

Neisseria gonorrhoeae
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
Streptococcus agalactiae³
Streptococcus pyogenes⁴
Treponema pallidum⁵

Antibiotic Resistance Genes Below

Trichomonas vaginalis
Ureaplasma urealyticum, parvum

Add-on Only
High Risk HPV types 16, 39, 26, 18, 51, 53, 31, 52, 66, 33, 58, 73, 35, 59, 82, 45, 56, 68, 67, 69, 70

SAMPLE TYPE: Urine Swab, Prostatic Fluid, Penile Swab, Anorectal Swab, Vaginal Swab, Pelvic Abscess Material, Endometrial Sampling, Cervical Brushing, Genital Region Ulcer Swab, Endocervical Brushing, Urethral Swab

SEXUALLY TRANSMITTED INFECTION



Atopobium vaginae
Chlamydia trachomatis
Gardnerella vaginalis

Herpes simplex virus 1, 2¹
Mycoplasma genitalium, hominis
Neisseria gonorrhoeae

Trichomonas vaginalis
Ureaplasma urealyticum, parvum

Antibiotic Resistance Genes Below

Add-on Only
High Risk HPV types 16, 39, 26, 18, 51, 53, 31, 52, 66, 33, 58, 73, 35, 59, 82, 45, 56, 68, 67, 69, 70

SAMPLE TYPE: Urine Swab, Vaginal Swab, Genital Region Ulcer Swab, Prostatic Fluid, Pelvic Abscess Material, Endocervical Brushing, Penile Swab, Endometrial Sampling, Urethral Swab, Anorectal Swab, Cervical Brushing

VAGINITIS



Atopobium vaginae
Bacteroides fragilis
BVAB 2, 3 (bacterial vaginosis-associated bacteria 2, 3), Mobiluncus spp.
Enterococcus faecalis, faecium

Escherichia coli
Mycoplasma genitalium, hominis
Staphylococcus aureus
Streptococcus agalactiae³
Trichomonas vaginalis

Ureaplasma urealyticum, parvum

Antibiotic Resistance Genes Below

Add-on Only
Candida albicans, glabrata, parapsilosis, tropicalis

High Risk HPV types 16, 39, 26, 18, 51, 53, 31, 52, 66, 33, 58, 73, 35, 59, 82, 45, 56, 68, 67, 69, 70

SAMPLE TYPE: Vaginal Swab

STI-VAGINITIS



Atopobium vaginae
Bacteroides fragilis
BVAB 2, 3 (bacterial vaginosis-associated bacteria 2, 3), Mobiluncus spp.
Chlamydia trachomatis

Enterococcus faecalis, faecium
Escherichia coli
Gardnerella vaginalis
Herpes simplex virus 1, 2¹
Mycoplasma genitalium, hominis

Neisseria gonorrhoeae
Staphylococcus aureus
Streptococcus agalactiae³
Trichomonas vaginalis
Ureaplasma urealyticum, parvum

Antibiotic Resistance Genes Below

Add-on Only
Candida albicans, glabrata, parapsilosis, tropicalis
High Risk HPV types 16, 39, 26, 18, 51, 53, 31, 52, 66, 33, 58, 73, 35, 59, 82, 45, 56, 68, 67, 69, 70

SAMPLE TYPE: Urine Swab, Anorectal Swab, Vaginal Swab, Pelvic Abscess Material, Endometrial Sampling, Cervical Brushing, Genital Region Ulcer Swab, Endocervical Brushing, Urethral Swab

CHLAMYDIA, GONORRHEA & TRICHOMONAS



Chlamydia trachomatis Neisseria gonorrhoeae Trichomonas vaginalis

Does Not Include Antibiotic Resistance Genes

SAMPLE TYPE: Urine Swab, Vaginal Swab, Genital Region Ulcer Swab, Prostatic Fluid, Pelvic Abscess Material, Endocervical Brushing, Penile Swab, Endometrial Sampling, Urethral Swab, Anorectal Swab, Cervical Brushing

GENITAL ULCER



Chlamydia trachomatis
Haemophilus ducreyi

Herpes simplex virus 1, 2¹
Klebsiella (Calymmatobacterium) granulomatis

granulomatis
Treponema pallidum⁵

Antibiotic Resistance Genes: dfr (A1, A5), sul (1, 2), ermB, C; mefA, and tet B, tet M only

SAMPLE TYPE: Genital Region Ulcer Swab

HERPES SIMPLEX VIRUS TYPING



Herpes simplex virus 1 Herpes simplex virus 2

Does Not Include Antibiotic Resistance Genes

SAMPLE TYPE: Penile Swab, Anorectal Swab, Vaginal Swab, Genital Region Ulcer Swab

GROUP B STREP



Streptococcus agalactiae³

SAMPLE TYPE: Vaginal Swab, Anorectal Swab

Does Not Include Antibiotic Resistance Genes

Antibiotic Resistance Genes

VanA, VanB⁶
ermB, C; mefA⁷
SHV, KPC Groups⁸

dfr (A1, A5), sul (1, 2)⁹
mecA¹⁰
qnrA1, qnrA2, qnrB¹¹

tet B, tet M¹²
IMP, NDM, VIM Groups¹³
ACT, MIR, FOX, ACC Groups¹⁴

OXA-48,-51¹⁵
CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups¹⁶



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¹HSV-1, HSV-2
²Coagulase negative species: S. epidermidis, S. haemolyticus, S. lugdunensis, S. saprophyticus

³Group B Strep (GBS)
⁴Group A Strep
⁵Syphilis
⁶Vancomycin
⁷Macrolide, Lincosamide,

Streptogramin
⁸Class A beta-lactamase
⁹Trimethoprim/Sulfamethoxazole
¹⁰Methicillin
¹¹Fluoroquinolone

¹²Tetracycline
¹³Class B metallo-beta-lactamase
¹⁴AmpC beta-lactamase
¹⁵Class D oxacillinase



All Menus

Infectious Disease Syndromatic Menus

Not Typically Detected By Culture

- ◆ Fungal
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- ◆ Slow Growing
- ◆ Streptococcus Species
- ◆ Anaerobe
- ◆ Not Typically Tested by Culture

URINARY TRACT INFECTION PLUS



Acinetobacter baumannii
Candida albicans, glabrata, parapsilosis, tropicalis
 Citrobacter freundii
 Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
 Escherichia coli
 Klebsiella pneumoniae, oxytoca
 Morganella morganii
Mycoplasma genitalium, hominis
 Proteus mirabilis, vulgaris
 Pseudomonas aeruginosa

SAMPLE TYPE: Urine Swab, Catheter Swab

Antibiotic Resistance Genes Below

Ureaplasma urealyticum, parvum

URINARY TRACT INFECTION



Acinetobacter baumannii
Candida albicans, glabrata, parapsilosis, tropicalis
 Citrobacter freundii
 Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
 Escherichia coli
 Klebsiella pneumoniae, oxytoca

SAMPLE TYPE: Urine Swab, Catheter Swab

Antibiotic Resistance Genes Below

Staphylococcus spp.¹
Streptococcus agalactiae²

GASTROINTESTINAL INFECTION



Adenovirus HAdV-F, HAdV-G
 Astrovirus, Sapovirus G1, G2
Bacteroides fragilis
 Campylobacter jejuni, coli
 Clostridioides difficile (toxins A, B)
 Clostridium perfringens, novyi, septicum
Cryptosporidium hominis, parvum, felis
Cyclospora cayentanensis, Cystoisospora belli
Dientamoeba fragilis, Entamoeba histolytica
 Enteroaggregative E. coli (EAEC)
 Enteroinvasive E. coli (EIEC) / Shigella spp.
 Enteropathogenic E. coli (EPEC)
 Enterotoxigenic E. coli (ETEC)
 Enterovirus A, B, C
 Enterovirus D68
Giardia intestinalis
Helicobacter pylori
Listeria monocytogenes

SAMPLE TYPE: Rectal Swab, Stool Swab

Antibiotic Resistance Genes Below

Yersinia enterocolitica

Add-on Only

Candida albicans, glabrata, parapsilosis, tropicalis
Candida auris

OPHTHALMOLOGY INFECTION



Acanthamoeba castellanii, polyphaga; Vermamoeba (Hartmannella) vermiformis
Acinetobacter baumannii
 Adenovirus
Alternaria spp., Curvularia lunata, Penicillium spp.
Aspergillus flavus, fumigatus, niger, terreus
 Bacillus cereus, thuringiensis
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia trachomatis
 Corynebacterium jeikeium, striatum, tuberculoostearicum
 Cutibacterium (Propionibacterium) acnes
 Cytomegalovirus⁴
 Demodex folliculorum
 Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
 Enterovirus (pan)
 Epstein-Barr virus⁵
 Escherichia coli
Fusarium oxysporum, solani
Fusobacterium nucleatum, necrophorum
 Haemophilus influenzae
 Herpes simplex virus 1, 2⁶
 Klebsiella pneumoniae, oxytoca

SAMPLE TYPE: Eye Swab, Vitreous Fluid, Lacrimal Fluid

Microsporidia (Enterocytozoon bienewisi, Encephalitozoon intestinalis)
 Norovirus (Genogroup 1, 2)
 Rotavirus A, B
Salmonella enterica
 Shiga toxin-producing E. coli (STEC)
 Shiga toxin-producing E. coli 0157 (STEC 0157)
 Vibrio parahaemolyticus, vulnificus, cholerae
Microsporidia (Encephalitozoon hellum, cuniculi, Nosema Vittaforma, ocularum)
 Moraxella catarrhalis
 Morganella morganii
Mycobacterium spp.
Neisseria gonorrhoeae
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
 Proteus mirabilis, vulgaris
 Pseudomonas aeruginosa
Rhizopus spp., Mucor spp.
 Staphylococcus aureus
 Staphylococcus spp.¹

Streptococcus agalactiae²
Streptococcus anginosus, constellatus, intermedius⁷
Streptococcus mitis, sanguis, mutans⁸
Streptococcus pneumoniae
Streptococcus pyogenes³
Toxoplasma gondii
 Varicella zoster virus⁹

OTOLARYNGOLOGY INFECTION



Acinetobacter baumannii
 Adenovirus
Alternaria spp., Curvularia lunata, Penicillium spp.
Aspergillus flavus, fumigatus, niger, terreus
Bordetella pertussis, parapertussis, bronchiseptica
Candida albicans, glabrata, parapsilosis, tropicalis
Chlamydia trachomatis
Corynebacterium jeikeium, striatum, tuberculoostearicum
 Cutibacterium (Propionibacterium) acnes
 Cytomegalovirus⁴
 Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
 Enterovirus (pan)
 Epstein-Barr virus⁵
 Escherichia coli
Fusarium oxysporum, solani
Fusobacterium nucleatum, necrophorum
 Haemophilus influenzae
 Herpes simplex virus 1, 2⁶
 Klebsiella pneumoniae, oxytoca

SAMPLE TYPE: Nasopharynx Swab, Throat Swab, Ear Swab, Tympanocentesis Fluid

Antibiotic Resistance Genes Below

Streptococcus mitis, sanguis, mutans⁸
Streptococcus pneumoniae
Streptococcus pyogenes³
 Varicella zoster virus⁹

Antibiotic Resistance Genes

VanA, VanB¹⁰
 ermB, C; mefA¹¹
 SHV, KPC Groups¹²

dfp (A1, A5), sul (1, 2)¹³
 mecA¹⁴
 qnrA1, qnrA2, qnrB2¹⁵

tet B, tet M¹⁶
 IMP, NDM, VIM Groups¹⁷
 ACT, MIR, FOX, ACC Groups¹⁸

OXA-48,-51¹⁹
 CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups¹²



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¹Coagulase negative species: S. epidermidis, S. haemolyticus, S. lugdunensis, S. saprophyticus
²Group B Strep (GBS)
³Group A Strep

⁴Human Herpesvirus 5, CMV
⁵Human Herpesvirus 4, EBV
⁶HSV-1, HSV-2
⁷Viridans anginosus group
⁸Viridans group
⁹Human Herpesvirus 3, VZV

¹⁰Vancomycin
¹¹Macrolide, Lincosamide, Streptogramin
¹²Class A beta-lactamase
¹³Trimethoprim/Sulfamethoxazole
¹⁴Methicillin

¹⁵Fluoroquinolone
¹⁶Tetracycline
¹⁷Class B metallo-beta-lactamase
¹⁸AmpC beta-lactamase
¹⁹Class D oxacillinase



All Menus

Infectious Disease Syndromatic Menus

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- ◆ Fungal
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- ◆ Not Typically Tested by Culture

WOUND



Bacterial/Viral

Acinetobacter baumannii
Bacteroides fragilis, vulgatus
Burkholderia cepacia, pseudomallei
Citrobacter freundii
Clostridium perfringens, novyi, septicum
Corynebacterium jeikeium, striatum, tuberculostearicum
Cutibacterium (Propionibacterium) acnes
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Finegoldia magna
Haemophilus influenzae

Herpes simplex virus 1, 2¹
Klebsiella pneumoniae, oxytoca
Mycobacterium abscessus, chelonae, fortuitum
Mycobacterium avium-intracellulare, kansasii
Mycobacterium marinum, ulcerans
Mycoplasma genitalium, hominis
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris
Pseudomonas aeruginosa
Salmonella enterica
Serratia marcescens
Staphylococcus aureus

Staphylococcus spp.²
Stenotrophomonas maltophilia
*Streptococcus agalactiae*³
Streptococcus pneumoniae
*Streptococcus pyogenes*⁴
*Varicella zoster virus*⁵
Vibrio cholerae, parahaemolyticus, vulnificus
Fungal
Aspergillus flavus, fumigatus, niger, terreus
Blastomyces dermatitidis
Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum
Fusarium oxysporum, solani

Antibiotic Resistance Genes Below

Malassezia furfur, restricta, sympodialis, globosa
Microsporium audouinii, canis, gypseum
Sporothrix schenckii
Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum
Trichosporon mucooides, asahii

Add-on Only
Candida auris

SAMPLE TYPE: Wound Swab, Joint Aspiration, Wound Tissue

NAIL/PARONYCHIA, HAIR



Bacterial/Viral

Bacteroides fragilis, vulgatus
Enterobacter aerogenes, cloacae
Enterococcus faecalis, faecium
Escherichia coli
Klebsiella pneumoniae, oxytoca
Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
Proteus mirabilis, vulgaris

Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus spp.²
*Streptococcus agalactiae*³
*Streptococcus pyogenes*⁴
Fungal
Aspergillus flavus, fumigatus, niger, terreus

Blastomyces dermatitidis
Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum
Fusarium oxysporum, solani
Malassezia furfur, restricta, sympodialis, globosa
Microsporium audouinii, canis, gypseum
Trichophyton mentagraphophytes/

Antibiotic Resistance Genes Below

interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum
Trichosporon mucooides, asahii

Add-on Only
Candida auris

SAMPLE TYPE: Nail Clipping, Paronychial Tissue, Hair

ONYCHOMYCOSIS



Aspergillus flavus, fumigatus, niger, terreus
Blastomyces dermatitidis
Candida albicans, glabrata, parapsilosis, tropicalis
Epidermophyton floccosum

Fusarium oxysporum, solani
Malassezia furfur, restricta, sympodialis, globosa
Microsporium audouinii, canis, gypseum
Pseudomonas aeruginosa
Staphylococcus aureus

Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum

Antibiotic Resistance Genes Below

Trichosporon mucooides, asahii

Add-on Only
Candida auris

SAMPLE TYPE: Nail Clipping

MRSA



Staphylococcus aureus

SAMPLE TYPE: Nasopharynx Swab

Antibiotic Resistance Gene: mecA Only

Antibiotic Resistance Genes

VanA, VanB⁶
 ermB, C; mefA⁷
 SHV, KPC Groups⁸

dfr (A1, A5), sul (1, 2)⁹
 mecA¹⁰
 qnrA1, qnrA2, qnrB2¹¹

tet B, tet M¹²
 IMP, NDM, VIM Groups¹³
 ACT, MIR, FOX, ACC Groups¹⁴

OXA-48,-51¹⁵
 CTX-M1 (15), M2 (2), M9 (9), M8/25
 Groups⁸

¹HSV-1, HSV-2
²Coagulase negative species: *S. epidermidis*, *S. haemolyticus*, *S. lugdunensis*, *S. saprophyticus*

³Group B Strep (GBS)
⁴Group A Strep
⁵Human Herpesvirus 3, VZV
⁶Vancomycin
⁷Macrolide, Lincosamide,

Streptogramin
⁸Class A beta-lactamase
⁹Trimethoprim/Sulfamethoxazole
¹⁰Methicillin
¹¹Fluoroquinolone
¹²Tetracycline

¹³Class B metallo-beta-lactamase
¹⁴AmpC beta-lactamase
¹⁵Class D oxacillinase

