



Flexible, Molecular Testing Solutions for Common Infectious Diseases

RT-PCR amplification and detection of bacterial, viral, fungal,
and parasitic microbial organisms in patient specimens

The Aegis Advantage

Founded in 1990, Aegis Sciences Corporation is a laboratory sciences company based in Nashville, Tenn., providing science-driven testing and consulting services for clients such as health care providers, pharmaceutical companies, professional and amateur sports organizations, college and university athletic programs, Fortune 500 corporations, and government agencies throughout the United States.

- ✓ Leading molecular diagnostic laboratory utilizing the industry's most state-of-the-art PCR testing technology.
- ✓ Reputation for developing clinically relevant testing that provides clear, reliable, and actionable results to help providers make the best care decisions with confidence.
- ✓ Commitment to research, development, and innovation, making Aegis the leading choice in laboratory testing.



CAP-accredited laboratory

Aegis uses the most comprehensive, scientifically endorsed laboratory standards to meet or exceed CLIA requirements.

Aegis's molecular diagnostic lab responded and performed over 14 million COVID-19 tests from 2020 through 2022.

Aegis provides SARS-CoV-2 genomic sequencing to enable strain identification and further the detection of novel mutations in the virus for the Centers for Disease Control and Prevention (CDC).

Specially designed to offer:

- Flexible and customizable ordering
- Medically necessary, appropriate testing
- Clinically driven menu groupings
- Choices to eliminate over-utilization

PCR vs. Traditional Testing

Real-time PCR can detect low-level infections by amplification of specific genomic regions from a small amount of nucleic acid within just a few hours. The turnaround time from collection to results affords a more rapid diagnosis and therapeutic intervention when compared to traditional testing methods, such as blood antigen or culture-based tests, which can take days to weeks.

Aegis Infectious Disease Testing Menu

A suite of the most common pathogens customized for precision diagnostics. Cut back on over-testing. Speed up the time to finding and eliminating the problem for your patients.



Respiratory Tract Infections (RTIs)

Infections of the respiratory tract are most often caused by bacteria and viruses, and identification of the offending pathogen is key to optimizing therapy.



Genital Health/Sexually Transmitted Infections (STIs)

Semi-quantitative reporting supports appropriate diagnosis of dysbiosis that causes candidiasis and bacterial vaginosis. In addition to the genital health test options, Aegis offers testing for routine STIs.



Gastrointestinal Infections (GIs)

Gastrointestinal tract infections can be caused by a wide range of pathogens and present in a variety of ways. When testing is deemed medically necessary, Aegis's test menu can identify the most common bacteria, viruses, and protozoa known to cause today's infections.



Urinary Tract Infections (UTIs)

Our UTI capabilities include semi-quantitative reporting of detected organisms and an optional Antimicrobial Resistance reflex test to identify the most common drug resistance patterns.

Aegis uses the latest in RT-PCR technology to rapidly detect bacterial, viral, fungal, and parasitic microbial organisms in patient specimens. Our sensitive, highly accurate diagnostic testing platform will allow expedited clinical decision-making to help determine the cause of infectious diseases faster than standard culture methods.

Providers will have access to:

- Clinically relevant tests for a wide variety of pathogens
- Diversity in specimen collection options
- 24-hour turnaround time
- Semi-quantitative reporting
- Clear, reliable, and actionable results





Infectious Disease Testing Menu

Urinary Tract Infection

UTI STANDARD PROFILE

- Klebsiella aerogenes
- Enterobacter cloacae complex
- Enterococcus faecalis
- Enterococcus faecium
- Escherichia coli
- Klebsiella pneumoniae
- Proteus mirabilis
- Proteus vulgaris
- Pseudomonas aeruginosa
- Staphylococcus (saprophyticus, xylosus)
- Streptococcus agalactiae (group B)

UTI EXPANDED PROFILE

Includes all targets from Standard +

- Acinetobacter baumannii
- Citrobacter freundii
- Klebsiella oxytoca
- Morganella morganii
- Providencia stuartii

ANTIMICROBIAL RESISTANCE ADD-ON TESTS

mecA
mecC
vanA / vanB

The mecA & mecC genes will be reported if Staphylococcus(saprophyticus, xylosus) is present.

The vanA and vanB genes will be reported if Staphylococcus (saprophyticus, xylosus) and/or Enterococcus faecalis/Enterococcus faecium are present.

Genital Health/ Sexually Transmitted Infection

BACTERIAL VAGINOSIS PROFILE

- Atopobium vaginae
- Gardnerella vaginalis
- BVAB2
- Megasphaera 1
- Megasphaera 2
- Lactobacillus species
- Mycoplasma hominis
- Trichomonas vaginalis

VAGINAL CANDIDIASIS PROFILE

- Candida albicans
- Candida glabrata
- Candida parapsilosis
- Candida tropicalis
- Candida krusei
- Candida dubliniensis
- Candida lusitaniae

STI PROFILE

- Chlamydia trachomatis
- Neisseria gonorrhoeae
- Trichomonas vaginalis

STI + HSV PROFILE

Includes all targets from STI Profile +

- HSV1
- HSV2

HPV PROFILE

HPV High-Risk 16, 18
HPV High-Risk Expanded: 31, 33, 35, 39, 45, 52, 58

GH/STI ADD-ON TESTS

Monkeypox (Orthopoxvirus)
Mycoplasma genitalium
Mycoplasma hominis
Ureaplasma urealyticum
Group B Streptococcus
Treponema pallidum (Syphilis)

Respiratory Tract Infection

COVID-19

COVID-19
COVID-19 + Influenza

PHARYNGITIS PROFILE

- Streptococcus pyogenes
- Haemophilus influenzae
- Arcanobacterium haemolyticum
- Mycoplasma pneumoniae
- Adenovirus

UPPER RTI PROFILE

- Influenza A/H1
- Influenza A/H3
- Influenza B
- RSV (Includes A & B)
- Adenovirus
- Rhinovirus

ACUTE BRONCHITIS PROFILE

- Metapneumovirus
- Parainfluenza (Includes 1,2,3,4)
- RSV (Includes A & B)

UPPER RTI & BRONCHITIS

ADD-ON TESTS
Haemophilus influenzae
Whooping Cough/Bordetella
Bocavirus
Coronavirus (Includes 229E, HKU1, NL63, OC43)
Enterovirus (D68 & pan assay)
Epstein-Barr Virus (mononucleosis)
Streptococcus pyogenes (strep throat)

COMMUNITY ACQUIRED PNEUMONIA PROFILE

- Staphylococcus aureus
- Streptococcus pneumoniae
- Chlamydia pneumoniae
- Mycoplasma pneumonia

COMMUNITY ACQUIRED PNEUMONIA ADD-ON TESTS

Haemophilus influenzae
Moraxella catarrhalis

Gastrointestinal Infection

ACUTE DIARRHEA, BACTERIAL ENTERITIS GI BACTERIAL PROFILE

- Shigella
- Shiga-like toxin-producing
- E. coli (STEC) stx1/stx2
- E. coli O157
- Salmonella
- Campylobacter jejuni

GI BACTERIAL ADD-ON TESTS

Clostridioides difficile (Toxin A/B)
Yersinia enterocolitica
Vibrio cholerae
Vibrio parahaemolyticus
Vibrio vulnificus
Escherichia EHEC/Intimin (enterohemolytic)
Escherichia EIEC (enteroinvasive)
Escherichia EPEC (enteropathogenic)
Escherichia ETEC (enterotoxigenic)
Plesiomonas shigelloides
Aeromonas hydrophila

VIRAL ENTERITIS GI VIRUS PROFILE

- Sapovirus (I, II, IV)
- Sapovirus V
- Adenovirus F40/41
- Enterovirus (Pan)
- Astrovirus
- Parechovirus

GI VIRUS ADD-ON TESTS

Norovirus (Includes GI & GII)
Rotavirus A

ENTERIC PARASITE ADD-ON TESTS

Entamoeba histolytica
Cyclospora cayentanensis
Cryptosporidium
Giardia lamblia

See Laboratory Test Requisition for full profile contents.