NexGen Testing

Infectious Disease testing helps improve speed and accuracy of treatment

Having the right information at the right time means clinicians can quickly provide patients the individualized care they need and potentially avoid unnecessary complications, costs and hospital admissions.

Results in 24 hours*

- Six syndrome-based panels covering 157 pathogens help identify infections
- Antimicrobial resistance information to help guide accurate antibiotic use
- Tests orders and reports easily accessed from the cloud
- CAP and CLIA accredited lab

Identifying cause of infection on the first test is important in immunocompromised patients

HealthTrackRx's ID PCR testing provides causative microbe coverage for up to 99% of syndrome-related microbes, some of which are not detected by traditional culture and sensitivity. The test panels also offer information on the antibiotic resistance genes found in an individual sample. This information can help the clinician choose the best possible anti-infective therapy for the patient.

Up to 99% detection of causative bacterial, viral, fungal pathogens

✓ Pathogen Detection

- **Respiratory** Panel: 41 pathogens
- **Urinary Tract** Panel: 32 pathogens
- **Wound** Panel: 40 pathogens
- **GI** Panel: 31 pathogens
- **Nail/Paronychia** Panel: 35 pathogens
- **Genito-STD** Panel: 78 pathogens

✓ Antibiotic Resistance Identification

- 12 classes of antibiotic resistance genes
- Vancomycin Resistant Enterococcus (VRE)
- Methicillin Resistant Staphylococcus aureus (MRSA)
- Carbapenem Resistant Enterobacteriaceae (CRE)
- Multi-Drug Resistant Organisms (MDRO)

*Majority of results provided within 24 hours from receipt of specimen.

Support for infection diagnosis and treatment

Real Time Polymerase Chain Reaction (PCR) infectious disease testing offers higher accuracy and broader detection than culture.[1]

- Detects the presence of infection by amplifying pathogen RNA and DNA
- Pathogen and antibiotic resistance information in 24 hours
- Increased sensitivity and specificity+
- Unaffected by concurrent use of antibiotics
- Identifies polymicrobial infections

85%
of antibiotics used in long-term care are prescribed empirically[2]

Cloud-based system means ordering and reporting wherever and whenever needed

Physicians who care for long-term care residents are usually not on-site and rarely are when someone may begin showing signs of infection.

- On-site staff can submit a test order based on medical necessity to the ordering clinician
- Based on clinical information received from on-site staff, off-site clinicians can virtually order tests based on medical necessity
- Clinicians and staff can review short, straight-forward identification and resistance reports via a cloud-based portal
- Ready-made infection control reports make documentation easy

67%
of long-term care antibiotics are prescribed over the phone and with limited documentation[3]

Contact your NexGenTesting representative or visit www.nexgentesting.com for more information

+ Compared to traditional culture and sensitivity[1]

1. Pritt, MD, B. (2017 Nov 6). Syndromic testing for infectious diseases, part 2: gastrointestinal infections. Mayo Clinic. https://news.mayomedicallaboratories.com/2017/11/06/syndromic-testing-infectious-diseases-part-2-gastrointestinal-infections/
2. Furuno, J.P., PhD, Comer, A.C., MPH, Johnson, J.K., PhD, et al. (2014 Oct). Using Antibiograms to Improve Antibiotic Prescribing in Skilled Nursing Facilities. Infection Control and Hospital Epidemiology 35: S3. https://www.jstor.org/stable/pdf/10.1086/677818.pdf
3. Moro, M.L. (2011). Infection control in non-hospital settings: the example of long-term and ambulatory care facilities. https://www.who.int/gpsc/information_centre/moro-maria-luisa_infection-control.pdf

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