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Diatherix



Respiratory Infection

Developed by a unique laboratory providing accurate and actionable results in one day for infectious diseases and antibiotic resistance genes utilizing innovative molecular technologies, including proprietary TEM-PCR.™

DxRx Linking Diagnostics to Therapeutics™

Eurofins Diatherix Distinctions:

- Delivers one-day results
- Identifies bacteria regardless of recent antibiotic use
- Offers simplicity of single-sample collection
- Identifies difficult-to-culture pathogens
- Yields a high level of sensitivity and specificity

Eurofins Diatherix Benefits:

TEM-PCR technology is a proprietary, multiplex amplification platform designed to overcome the challenges that exist with conventional laboratory methods.

Improved speed and accuracy of laboratory results lead to:

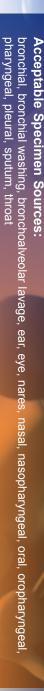
- Reduced antibiotic utilization
- Improved patient outcomes
- Cost reduction and avoidance
- Increased patient satisfaction
- Greater clinical value

Respiratory Infection Pathogens:

Adenovirus	Respiratory Syncytial Virus (A&B)	Mycoplasma pneumoniae
Coronavirus (229E, HKU1, NL63, OC43) ³	Acinetobacter baumannii	Neisseria meningitidis
Human Bocavirus	Bordetella pertussis	Pseudomonas aeruginosa
Human Metapneumovirus	Chlamydophila pneumoniae	Staphylococcus aureus
Human Rhinovirus/Enterovirus Influenza A	Haemophilus influenzae	MRSA ¹
A(H1N1)pdm09	Haemophilus influenzae (type B)	PVL ² gene
Influenza B	Klebsiella spp.	Streptococcus pneumoniae
Parainfluenza Virus (1, 2, 3, 4) ³	Legionella pneumophila	Streptococcus pyogenes (Group A)
	Moraxella catarrhalis	

¹Methicillin-resistant Staphylococcus aureus ²Panton-Valentine leukocidin ³Types reported separately

This test is primarily designed to provide diagnostic information on patients with lower respiratory tract symptoms.





Accurate diagnostic results lead to better treatment for patients

DETECTION	# Specimens	% Total Specimens*
Only 1 bacterial detection, no viral detections	56,036	16.52%
Only 1 viral detection, no bacterial detections	42,818	12.63%
At least 2 bacterial co-detections; no viral detections	45,854	13.52%
At least 2 viral co-detections; no bacterial detections	5,647	1.67%
At least 1 bacterial and at least 1 viral detection	96,814	28.55%
Zero detections	91,932	27.11%
TOTAL	339,128	100.00%

* Data on file: December, 2008 – February, 2020

Simultaneous detection of bacteria and viruses can improve patient outcomes and reduce healthcare costs.

TEM-PCR provides the ability to identify patients with viral, bacterial or both viral and bacterial pathogens from a single specimen in one day and allows the clinician to:

- Withhold antibiotics in patients with viral detection
- Administer appropriate antibiotic and/or antiviral therapy
- Incorporate evidence-based medicine to enhance the quality and cost-effectiveness of patient care

Chief complaints for consideration:

Acute bronchiolitis due to other infectious organism; Acute bronchitis; Acute nasopharyngitis (common cold); Acute pharyngitis; Acute sinusitis NOS; Acute tonsillitis; Allergic rhinitis NOS; Asthma NOS; Chronic sinusitis NOS; Cough; Fever NOS; Nasal & sinus disease NEC; Pneumonia, organism NOS; Viral infection NOS; Wheezing





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