

Rapid Detection of Wound Pathogens

Take the guesswork out in diagnosing and treating wound pathogens.

Our wound pathogen assay utilizes the nucleic acid-based amplification test (NAAT) with the latest in semi-quantitative real-time polymerase chain reaction (RT-PCR) technology to rapidly and reliably analyze your patient's sample. PCR provides the greatest sensitivity and specificity with the ability to rapidly detect and differentiate 98-99% of the most common aerobic, anaerobic, and facultative bacteria, viral and fungal targets, and polymicrobial infections.

Our universal sample collection medium eliminates the need for specialized live sample handling or storage by safely inactivating and stabilizing the sample in transport for subsequent analysis. This reduces the impact of transport time and cost.

Use the latest in molecular diagnostic technology to diagnose wounds that are slow to heal including:

- Diabetic ulcers
- Pressure sores
- Venous ulcers



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Wound Infection-causing pathogens (GenviewDX)		Type
1	<i>Aconetobacter baumannii</i>	Bacterium
2	<i>Anaerococcus vaginalis</i>	Bacterium
3	<i>Bacteroides fragilis</i> /B. vulgatus	Bacterium
4	<i>Burkholderia cepacia</i> /B. pseudomallei	Bacterium
5	<i>Citrobacter freundii</i>	Bacterium
6	<i>Clostridium perfringens</i> /C. septicum	Bacterium
7	<i>Corynebacterium jeikeium</i> /C. tuberculostrictum/C. striatum/C. novyi A, B	Bacterium
8	<i>Cutibacterium acnes</i> (formerly <i>Propionibacterium acnes</i>)	Bacterium
9	<i>Enterobacter aerogenes</i> / cloacae	Bacterium
10	<i>Enterococcus faecalis</i> /E. faecium	Bacterium
11	<i>Escherichia coli</i>	Bacterium
12	<i>Fusobacterium necrophorum</i> /F. nucleatum	Bacterium
13	<i>Haemophilus influenzae</i>	Bacterium
14	<i>Klebsiella pneumoniae</i> /K. oxytoca	Bacterium
15	<i>Mycobacterium avium</i> -intracellulare (M.avium only)	Bacterium
16	<i>Mycobacterium marinum</i>	Bacterium
17	<i>Mycobacterium ulcerans</i>	Bacterium
18	<i>Mycobacterium abscessus</i> /M. chelonae/M. fortuitum/M. kansasii	Bacterium
19	<i>Mycoplasma genitalium</i> /M. hominis	Bacterium
20	<i>Peptoniphilus hareii</i> /P. ivorii	Bacterium
21	<i>Peptostreptococcus anaerobius</i> /P. prevotii/P. asaccharolyticus/ P. magnus (Finegoldia magna)	Bacterium
22	<i>Proteus mirabilis</i> /P. vulgaris	Bacterium
23	<i>Pseudomonas aeruginosa</i>	Bacterium
24	<i>Salmonella enterica</i>	Bacterium
25	<i>Serratia marcescens</i>	Bacterium
26	<i>Staphylococcus aureus</i>	Bacterium
27	<i>Staphylococcus epidermidis</i> /S. haemolyticus/S. lugdunensis/S. saprophyticus	Bacterium
28	<i>Streptococcus agalactiae</i>	Bacterium
29	<i>Streptococcus pyogenes</i>	Bacterium
30	<i>Streptococcus pneumoniae</i>	Bacterium
31	<i>Vibrio Cholerae</i> /V. parahaemolyticus/V. vulnificus	Bacterium
32	<i>Candida albicans</i>	Yeast
33	<i>Candida auris</i>	Yeast
34	<i>Candida glabrata</i>	Yeast
35	<i>Candida parapsilosis</i>	Yeast
36	<i>Candida tropicalis</i>	Yeast
37	<i>Aspergillus flavus</i>	Fungus
38	<i>Blastomyces dermatitidis</i> /Blastomyces gilchristii	Fungus
39	<i>Fusarium oxysporum</i> /F. solani	Fungus
40	<i>Malassezia furfur</i> /M. restricta/M. sympodialis/M. globosa	Fungus
41	<i>Trichophyton interdigitale</i> (T. mentagrophytes/T. tonsurans)/T. rubrum	Fungus
42	<i>Trichophyton soudanense</i> /T. terrestre/T. tonsurans/T. verrucosum	Fungus
43	<i>Trichosporon mucoides</i> /T. asahii	Fungus
44	Herpes simplex virus 1 probes (HSV-1) (Herpes simplex, Human herpesvirus 1)	Virus
45	Herpes simplex virus 2 probes (HSV-2)	Virus
46	Varicella Zoster virus	Virus

Pathogen type	Genus level	Species level	Total
Bacteria	25	plus 30	55
Yeast (Fungi)	1	plus 4	5
Fungi	6	plus 11	17
Virus	3		3
Total pathogens	35	plus 45	80
ABR genes	44		

Antibiotic-resistance gene panel			
1	blaACC	16	ErmB
2	blaACT	17	ErmC
3	blaCMY	18	IMP-1
4	blaFOX	19	IMP-2
5	blaGES	20	KPC
6	blaVIM	21	MCR-1
7	Cfr	22	MecA
8	CTX-M_1	23	MecC
9	CTX-M_2	24	mefA
10	CTX-M_8_25	25	MIR
11	CTX-M_9	26	MOX
12	dfrA1	27	NDM
13	dfrA5	28	OXA-48
14	DHA	29	OXA-51
15	ermA	30	PER-1
		31	qnrA
		32	QnrB_1of4
		33	QnrB_2of4
		34	QnrB_3of4
		35	QnrB_4of4
		36	qnrS
		37	SHV
		38	Sul1
		39	Sul2
		40	Tet(M)
		41	Tet(S)
		42	vanA2
		43	vanB
		44	VEB

GenviewDX

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