

The list of pathogens covered by the targeted NGS

This testing panel is limited to the detection of the 153 pathogens listed in the aforementioned target scope. For detailed information, refer to the table below:

Bacteria (65 species)	Gram-positive cocci	Staphylococcus aureus, Streptococcus pneumoniae, Streptococcus pyogenes, Streptococcus agalactiae, Enterococcus faecium, Enterococcus faecalis
	Gram-positive bacilli	Tropheryma whipplei, Bacillus cereus, Bacillus anthracis, Corynebacterium pseudotuberculosis, Corynebacterium diphtheriae, Trueperella pyogenes, Rhodococcus equi, Mycobacterium tuberculosis complex, Non-tuberculous mycobacteria, Mycobacterium avium, Mycobacterium intracellulare, Mycobacterium kansasii, Mycobacterium chelonae, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium scrofulaceum, Mycobacterium marinum, Mycobacterium ulcerans, Mycobacterium haemophilum, Mycobacterium gordonae, Mycobacterium xenopi, Mycobacterium vaccae, Mycobacterium malmoense, Nocardia asteroides, Nocardia brasiliensis, Nocardia caviae, Nocardia gelsenkirchenensis
	Gram-negative cocci	Neisseria meningitidis
	Gram-negative bacilli	Escherichia coli, Salmonella enterica, Klebsiella pneumoniae, Klebsiella oxytoca, Klebsiella aerogenes, Enterobacter cloacae, Serratia marcescens, Proteus mirabilis, Pseudomonas aeruginosa, Burkholderia cepacia, Burkholderia mallei, Burkholderia pseudomallei, Stenotrophomonas maltophilia, Acinetobacter baumannii, Moraxella catarrhalis, Elizabethkingia meningoseptica, Haemophilus influenzae, Haemophilus haemolyticus, Pasteurella multocida, Francisella tularensis, Bordetella pertussis, Bordetella parapertussis, Bordetella avium, Bordetella holmesii, Legionella pneumophila, Bacteroides fragilis
	Rickettsia	Rickettsia typhi, Rickettsia prowazekii, Rickettsia rickettsii, Orientia tsutsugamushi, Coxiella burnetii
Viruses (68 species)	DNA viruses	Human bocavirus 1 (HBoV-1), Human bocavirus 2 (HBoV-2), Human bocavirus 3 (HBoV-3), Human bocavirus 4 (HBoV-4), Human parvovirus B19 (B19V), Human adenovirus, Human adenovirus group B, Human adenovirus B3 (HAdV-B3), Human adenovirus B7 (HAdV-B7), Human adenovirus B55 (HAdV-B55), Human adenovirus group C, Human adenovirus C1 (HAdV-C1), Human adenovirus C2 (HAdV-C2), Human adenovirus C5 (HAdV-C5), Human

		adenovirus group E, Human adenovirus E4 (HAdV-E4), Human herpesvirus 1 (HHV-1), Human herpesvirus 2 (HHV-2), Human herpesvirus 3 (HHV-3), Human herpesvirus 4 (HHV-4), Human herpesvirus 5 (HHV-5), Human herpesvirus 6 (HHV-6), Human herpesvirus 7 (HHV-7), BK polyomavirus, JC polyomavirus
	RNA viruses	Influenza A virus, Influenza A virus (H1N1 pdm09), Influenza A virus (H1N1), Influenza A virus (H3N2), Influenza A virus (H5N1), Influenza A virus (H7N9), Influenza B virus, Influenza C virus, Human metapneumovirus(hMPV), Human coronavirus 229E(HCoV-229E), Human coronavirus HKU1(HCoV-HKU1), Human coronavirus NL63(HCoV-NL63), Human coronavirus OC43(HCoV-OC43), Mumps rubulavirus, Human parainfluenza virus 1(HPIV-1), Human parainfluenza virus 2(HPIV-2), Human parainfluenza virus 3(HPIV-3), Human parainfluenza virus 4(HPIV-4), Human orthopneumovirus A, Human orthopneumovirus B, Rubella virus, Measles morbillivirus, Enterovirus, Enterovirus A, Coxsackievirus A2, Coxsackievirus A6, Coxsackievirus A16, Enterovirus 71, Enterovirus B , Coxsackievirus A9, Coxsackievirus B2, Coxsackievirus B3, Coxsackievirus B5, Coxsackievirus B6, Echovirus, Enterovirus C, Enterovirus D , Enterovirus D68, Rhinovirus, Rhinovirus A, Rhinovirus B, Rhinovirus C, Rotavirus
Mycoplasma/ Chlamydia (6 species)	Mycoplasma	Mycoplasma pneumoniae, Ureaplasma parvum, Ureaplasma urealyticum
	Chlamydia	Chlamydia pneumoniae, Chlamydia trachomatis, Chlamydophila psittaci
Fungi (14 species)		Candida albicans, Cryptococcus neoformans, Cryptococcus gattii, Histoplasma capsulatum, Talaromyces marneffeii, Aspergillus fumigatus, Lichtheimia corymbifera, Rhizopus oryzae, Lichtheimia microspora, Rhizomucor pusillus, Scedosporium apiospermum, Schizophyllum commune, Trichosporon asahii, Pneumocystis jirovecii