

Impact of Wound Infections

The CDC states that on any given day, **1 in 31** hospital patients has at least 1 healthcare-associated infection. Infections from surgeries are the second most common type of hospital adversity. Patients who have surgical wounds that become infected are shown to have increased length of stay in hospitals, medical costs, readmission rate, and even mortality.¹

General Symptoms and Signs



Fast, Accurate, Reliable Results

- Ensuring patients receive proper and effective treatment.
- Providing accurate detection of pathogen using real-time PCR technology.
- Delivering easy to interpret test results within 24 hours.

Wound Panel w/ Antibiotic Resistance (ABX)

	ABX Resistance Markers:
<i>Acinetobacter baumannii</i>	
<i>Bacteroides fragilis</i>	Class A β -lactamase (blaKPC)
<i>Citrobacter braakii/freundii</i>	Class A β -lactamase (CTX-M-Group 1)
<i>Citrobacter koseri</i>	Class B metallo- β -lactamase (blaNDM)
<i>Enterobacter cloacae</i>	Fluoroquinolones
<i>Enterococcus spp.</i>	Methicillin/Oxacillin (mecA)
<i>Escherichia coli</i>	Sulfonamides
<i>Klebsiella aerogenes</i>	Trimethoprim
<i>Klebsiella oxytoca/michiganensis</i>	Vancomycin (vanA, vanB)
<i>Klebsiella pneumoniae</i>	
<i>Morganella morganii</i>	
<i>Proteus mirabilis</i>	
<i>Pseudomonas aeruginosa</i>	
<i>Serratia marcescens</i>	
<i>Staphylococcus aureus</i>	
<i>Staphylococcus epidermidis</i>	
<i>Staphylococcus saprophyticus</i>	
<i>Streptococcus pyogenes</i> (Group A)	

The Certigen Solution

We provide a highly accurate, comprehensive and rapid testing solution to correctly identify infectious pathogens through the use of very sensitive and specific real-time PCR assays. As a follow-up confirmation, culture and susceptibility testing is available when indicated.

Streamlined Process

- 1 Collect a patient specimen.
- 2 Send the specimen to our lab via overnight shipping or courier.
- 3 The specimen arrives in our lab and results will be ready in one day.
- 4 Results are delivered on a one page summary that provides answers to most questions, without having to review pages of data.



This test detects the presence of pathogen only and does not detect disease. Clinically correlate results for significance.

References:

1. "Healthcare-associated Infections (HAI)." Centers for Disease Control and Prevention, 29 October 2018. <https://www.cdc.gov/hai/data/portal/index.html>.