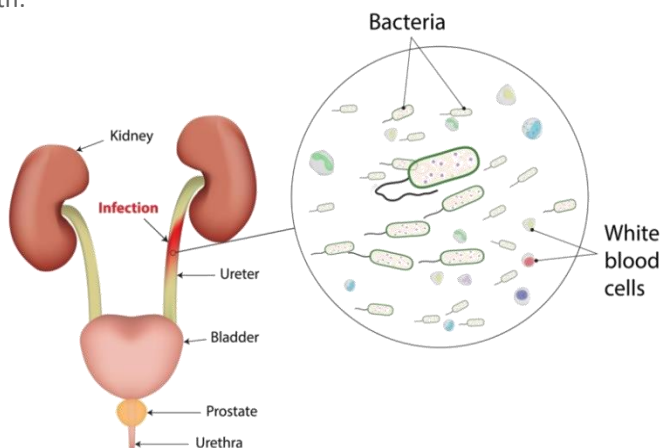


TRUPCR® UTI ID Panel Kit

NEED

Urinary Tract Infection (UTI) is an infection in any part of urinary system-kidneys, ureters, bladder and urethra. UTI is the second most common infection after respiratory infections, affecting 150 million people each year worldwide and largely affect women. UTIs are a significant cause of morbidity in infant boys, older men and females of all ages. Approximately 11% of women suffer from UTI, 60% of women will have at least one UTI during their lifetime. 25% of UTIs will recur within six months of the initial infection. Effective treatment of UTI depends on the accurate identification of the uropathogen(s). When treated promptly and properly, lower UTI rarely lead to complications. But left untreated, UTI can have serious consequences including recurrent infections, permanent kidney damage and/or pre-term birth.

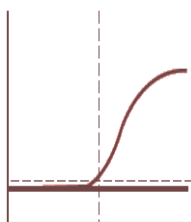


SOLUTION BY TRUPCR®

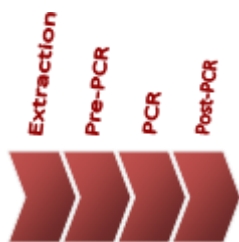
TRUPCR® UTI ID Panel Kit is a multiplexed Real Time PCR kit which is intended for qualitative detection and differentiation of UTI caused by bacteria and/or fungi from human urine of UTI suspected individuals. It includes five tubes targeting fourteen major uropathogens (bacteria and fungi). This assay is based on TaqMan hydrolysis probe which allows higher specificity and sensitivity.

The targets are detected with the help of four different dyes (FAM/Green, HEX/Yellow, Texas Red/Orange and Cy5/Red). An endogenous internal control has been integrated into the kit in order to check PCR inhibition. This kit can be used with the extracted genomic DNA of urine sample or isolated uropathogen(s).

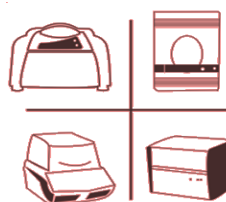
KEY FEATURES



Endogenous Internal Control incorporated within the kit to ensure reliable results



Complete workflow solution available from Extraction of sample to Post-PCR analysis



Platform agnostic as compatible with various platforms



Rapid and reliable results within 60 minutes after PCR Start

TARGET PATHOGENS

Primer Probe Mix 1

FAM	TEX RED	HEX
<i>Enterococcus faecalis</i>	<i>Klebsiella oxytoca</i>	Endogenous IC

Primer Probe Mix 2

FAM	TEX RED	Cy5	HEX
<i>Escherichia coli</i>	<i>Acinetobacter baumannii</i>	<i>Streptococcus agalactiae</i>	Endogenous IC

Primer Probe Mix 3

FAM	TEX RED	Cy5	HEX
<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i>	<i>Enterococcus faecium</i>	Endogenous IC

Primer Probe Mix 4

FAM	TEX RED	Cy5	HEX
<i>Proteus mirabilis</i>	<i>Streptococcus pneumoniae</i>	<i>Candida albicans</i>	Endogenous IC

Primer Probe Mix 5

FAM	TEX RED	Cy5	HEX
<i>Morganella morganii</i>	<i>Staphylococcus saprophyticus</i>	<i>Pseudomonas aeruginosa</i>	Endogenous IC

TECHNICAL SPECIFICATIONS

- Sample Type – Urine Specimen / Cultured Isolates
- Can detect co-infections with multiple pathogens
- Clinical Validation – Validated on more than 500 clinical samples
- Target Regions – Pathogen specific conserved regions
- LoD Data = 10³ CFU/ml
- Room temperature reaction setup
- UNG is included in the master mix to avoid carry over contamination
- Reaction Volume - 20µl in each tube
- Compatible Instruments – Applied Biosystems™ 7500 series, Applied Biosystems™ QuantStudio® series, Bio-Rad CFX96, MIC PCR

CLINICAL DATA

		Reference Method		
		Positive	Negative	Total
TRUPCR Method	Positive	155	1	156
	Negative	2	118	120
	Total	157	119	276

Parameters	Estimate
Sensitivity	98.73%
Specificity	99.16%
Positive Predictive Value	99.36%
Negative Predictive Value	98.33%



ORDERING INFORMATION

Cat. No.	Description	Size
3B319	TRUPCR® UTI ID Panel Kit	48 Reactions
3B320	TRUPCR® UTI ID Panel Kit	96 Reactions

