

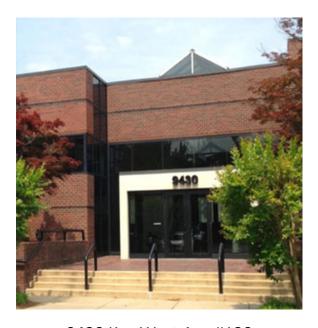
ABOUT US

- Phi Life Sciences is a Molecular
 Diagnostic and Laboratory Service company with two convenient locations.
- Our goal is to commercialize novel technologies and develop products that empower physicians to deliver precision treatments and diagnoses by incorporating molecular tests that will improve patients' health.



645 Meeting St., Suite 3 Charleston, SC 29403 CLIA#: 42D2114196 CAP#: 8079143





9430 Key West Ave #130 Rockville, MD 20850 CLIA #: 21D2158103





MOLECULAR INFECTIOUS DISEASE DIAGNOSTICS



Available Infectious Disease Testing

- UTI
- Wound
- Nail
- SARS-CoV-2 / Flu A/B / RSV A/B
- Infectious Disease Report Interpretation

Testing Includes

- Complete test packet for easy sample collection and return to the lab.
- Return shipping and or courier to the laboratory.
- Online results reporting through our HIPAA compliant portal or to your EMR.



UTI PATHOLOGY



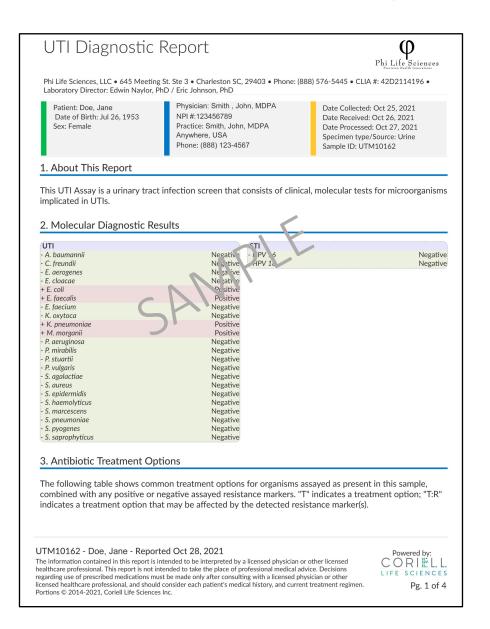
Most Common Pathogens Associated with UTI

- E. coli
- S. aureus
- E. faecalis
- K. pneumoniae
- S. pyogenes

Health Issues Associated with UTI

- Death
- Severe Infection
- Can spread elsewhere in the body
- Urinary pain

UTI DIAGNOSTICS

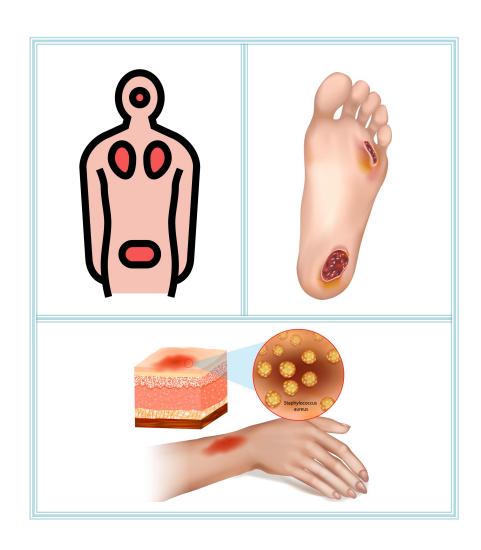


Molecular Pathology

- Acinetobacter baumannii
- Citrobacter freundii
- Enterobacter aerogenes
- Enterobacter cloacae
- Enterococcus faecalis
- Enterococcus faecium
- Escherichia coli
- Human Papillomavirus 16
- Human Papillomavirus 18
- Klebsiella oxytoca
- Klebsiella pneumoniae
- Morganella morganii

- Proteus mirabilis
- Proteus vulgaris
- Providencia stuartii
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis
- Staphylococcus haemolyticus
- Staphylococcus saprophyticus
- Streptococcus agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes

WOUND PATHOLOGY



Most Common Pathogens Associated with Wound Infection

- MRSA
- Staph
- E. coli

Health Issues Associated with Wound Infection

- Death
- Severe Infection
- Can spread elsewhere in the body
- Sepsis

WOUND DIAGNOSTICS

Coriell Soft Tissue Infection Report



Coriell Life Sciences • 4747 S. Broad St. Philadelphia, PA • Phone: (800) 555-1212 • Fax: (800) 555-1212 • Web: http://coriell.com/ • CLIA #: SAMPLE • Laboratory Director: John Doe, M D.

• Web: http://coriell.com/ • CLIA #: SAMPLE • Laboratory t

Patient: Doe, Franklin Date of Birth: Feb 01, 2009 Sex: M Physician: Dr. Amy Miller, M.D. NPI #:99999999 Practice: Coriell Life Sciences Philadelphia, PA Phone: (888) 415-7834 Date Collected: Jan 30, 2019 Date Received: Jan 31, 2019 Date Processed: Jan 31, 2019 Specimen type/Source: Skin scraping Sample ID: fungusexemplar

About This Report

This Coriell Skin and Soft Tissue Infection Report consists of clinical, molecular tests for microrganisms implicated in complex wound management.

2. Molecular Diagnostic Results

	Assay Results			I.	Assay Results	
	A. baumannii	Negative		P. aeruginosa		Negative
	B. fragilis	Negative		P. anaerobius		Negative
+	C. perfringens	Positive		P. mirabilis		Negative
	C. striatum	Negative		Prevotella spp.		Negative
	E. aerogenes	Negative		S. agalactiae		Negative
	E. cloacae	Negative		S. aureus		Negative
	E. coli	Negative		S. enterica		Negative
	E. faecalis	Negative	+	S. epidermidis		Positive
	E. faecium	Negative		S. marcescens		Negative
	F. magna	Negative		S. pneumoniae		Negative
	K. pneumoniae	Negative		S. pyogenes		Negative
	M. morganii	Negative				

fungusexemplar - Doe, Franklin - Reported Feb 11, 2019 - DRAFT

The information contained in this report is intended to be interpreted by a licensed physician or other licensed healthcare professional. This report is not intended to take the place of professional medical advice. Decisions regarding use of prescribed medications must be made only after consulting with a licensed physician or other licensed healthcare professional, and should consider each patient's medical history, and current treatment regimen. Portions © 2014-2019 Coriel Life Sciences Inc.



Molecular Pathology not limited to

- Acinetobacter baumannii
- Citrobacter freundii
- Enterobacter aerogenes
- Enterobacter cloacae
- Enterococcus faecalis
- Enterococcusfaecium
- Escherichia coli
- Klebsiella oxytoca
- Klebsiella pneumoniae
- Morganella morganii
- Proteus mirabilis
- Pseudomonas aeruginosa

- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes
- Clostridium perfringens
- Corynebacterium striatum
- Finegoldia magna
- Salmonella enterica
- Varicella Zoster

NAIL PATHOLOGY



Most Common Pathogens Associated with Nail Infection

- Klebsiella
- Pseudomonas
- Staph
- Lichen Planus
- Psoriasis

Health Issues Associated with Nail Pathogens

- Loss of Nail
- Severe Infection
- Can spread elsewhere in the body
- Appearance



NAIL DIAGNOSTICS

Coriell Dermatological Fungus Report

CORIELL.

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Patient: Doe, Franklin Date of Birth: Feb 01, 2009 Sex: M Physician: Dr. Amy Miller, M.D. NPI #:99999999 Practice: Coriell Life Sciences Philadelphia, PA Phone: (888) 415-7834 Date Collected: Jan 30, 2019
Date Received: Jan 31, 2019
Date Processed: Jan 31, 2019
Specimen type/Source: Skin scraping
Sample ID: fungusexemplar

1. About This Report

This Coriell Dermatological Fungus Report consists of clinical, molecular tests for microrganisms implicated in dermatological fungal infections.

2. Molecular Diagnostic Results

	Assay Results				Assay Results	
A. fumigatus		Negative		M. nanum		Negative
A. niger		Negative		N. mangiferae		Negative
A. strictum		Negative		P. onychis		Negative
A. terreus		Negative		S. brevicaulis		Negative
+ A. versicolor		Positive	1	S. dimidiatum		Negative
Alternaria spp.		Negative		S. scabiei		Negative
C. albicans		Negative		T. beigelii		Negative
C. lunata		Negative		T. interdigitale		Negative
C. parapsilosis		Not Tested		T. mucoides		Negative
E. floccosum		Negative	+	T. rubrum		Positive
F. solani		Negative		T. soudanense		Negative
G. candidum		Negative		T. tonsurans		Negative
M. audouinii		Negative		T. violaceum		Negative
M. canis		Negative		Zygosaccharo spp.		Negative
M. gypseum		Negative				

fungusexemplar - Doe, Franklin - Reported Jan 31, 2019 - DRAFT

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Molecular Pathology not limited to

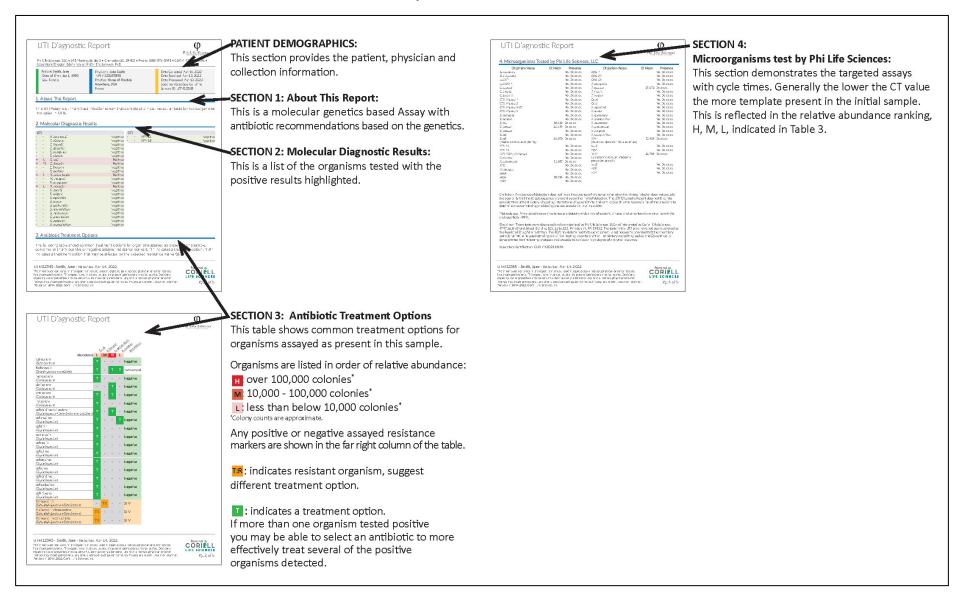
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- Morganella morganii
- Proteus mirabilis
- Pseudomonas aeruginosa

- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus epidermidis
- Streptococcus agalactiae
- Streptococcus pneumoniae
- Streptococcus pyogenes
- Clostridium perfringens
- Corynebacterium striatum
- Finegoldia magna
- Salmonella enterica
- Varicella Zoster



REPORT INTERPRETATION – INFECTIOUS DISEASE

The Infectious Disease report is broken down into four sections.



CLINICAL ADVANTAGES

- All specimens are run in triplicate to ensure 100% accuracy.
- Molecular testing identifies pathogens 3-5 times faster than traditional testing methods.
- 24-48 hour turn-around for STAT testing.
- Identification of polymicrobial infections.
- Ensures the capturing of antibiotic resistant pathogens.
- Ensures proper antibiotic stewardship for medication management.

CLINICAL ADVANTAGES

- Local representation with immediate service delivery.
- Ability for home and in-clinic testing.
- Self-pay and hardship payment options available.
- Most insurance accepted, with no aggressive billing practices.
- Web portal reporting.
- Clinical support staff available including MD and Nursing.

SUMMARY



- Access to the Latest Molecular Technology
- Most comprehensive panels, designed with Clinically Significant Pathogens
- 24-48 Hour Turnaround Time for STAT tests
- Easy to Interpret Reporting
- HIPAA Compliant Portal Cloud based, easy to use, EMR integration and interpretation guidance when requested.
- Clinical Training provided by MD, RN, and Genetic Counselor.



CONTACT US

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Q & A

Call us at 888.576.5445 info@philifesciences.com

Contamination: van der Zee A, Roorda L, Bosman G,Ossewaarde JM (2016) Molecular Diagnosis of Urinary Tract Infections by Semi-Quantitative Detection of Uropathogens in a Routine Clinical Hospital Setting. PLoS ONE 11(3): e0150755.

doi:10.1371/journal.pone.0150755

Selectivity and Specificity: 99.9%

Collection Devices: Free catch urine or COPAN eSwab

Workflow: Print off order from EMR> label specimen with 2 identifiers>

> Put specimen and order into provided biohazard bag>

> Put biohazard bag in provided pre-labeled FedEx Pak>

> FedEx to Laboratory > Receive results.

