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Patient Information	Specimen Information	Facility Information
Patient Name : LOIS CALLAWAY DOB : 1942-07-31 Age : 82 Yrs 10 M Gender : Female Patient ID : 5116 Race : Ethnicity :	Accession No. : FG250515079 Date Collected : May 14,2025 04:01 PM Date Received : May 16,2025 09:33 AM Specimen Type : NAIL Report Date : May 16,2025 05:33 PM	Ordering Facility : STAT LABS Ordering Provider : HELEN D GIPSON NPI ID : 1508925876 Phone No : - Address : -

Nail/ Paronychia PCR (IH)		
Organisms Tested	Semi-Quantitative Result	Reference Range

Region: RIGHT Toe

Bacteria

Acinetobacter baumannii	NOT DETECTED	Normal
Actinotignum schaalii	NOT DETECTED	Normal
Aerococcus urinae	NOT DETECTED	Normal
Bacteroides fragilis	NOT DETECTED	Normal
Citrobacter freundii/braakii/koseri	NOT DETECTED	Normal
Enterobacter cloacae	DETECTED	Normal
Enterococcus faecalis	NOT DETECTED	Normal
Enterococcus faecium	NOT DETECTED	Normal
Escherichia coli	NOT DETECTED	Normal
Klebsiella aerogenes	DETECTED	Normal
Klebsiella oxytoca	NOT DETECTED	Normal
Klebsiella pneumoniae	NOT DETECTED	Normal
Morganella morganii	NOT DETECTED	Normal
Prevotella bivia	NOT DETECTED	Normal
Proteus mirabilis	NOT DETECTED	Normal
Proteus vulgaris	NOT DETECTED	Normal
Pseudomonas aeruginosa	NOT DETECTED	Normal
Serratia marcescens	DETECTED	Normal
Staphylococcus aureus	NOT DETECTED	Normal
Staphylococcus Haemolyticus	DETECTED	Normal
Staphylococcus saprophyticus	NOT DETECTED	Normal
Streptococcus agalactiae	NOT DETECTED	Normal
Streptococcus pyogenes	NOT DETECTED	Normal

Fungi

Candida albican	NOT DETECTED	Normal
Candida auris	NOT DETECTED	Normal
Candida glabrata	NOT DETECTED	Normal

Scan to Validate



Testing performed at FORMA Medical Group LLC (CLIA#45D2268437) Medical Director: Jugal Joshi Ph.D., HCLD (ABB). This test was developed, and its performance characteristics were determined by FORMA Medical Group LLC. It has not been cleared or approved by the FDA. However, such approval/clearance is not required, as the laboratory is regulated and qualified under CLIA to perform high-complexity testing. This test is used for clinical purposes and should not be regarded as investigational or for research



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Nail/ Paronychia PCR (IH)		
Organisms Tested	Semi-Quantitative Result	Reference Range

Candida parapsilosis	DETECTED	Normal
Candida tropicalis	NOT DETECTED	Normal
Epidermophyton floccosum	NOT DETECTED	Normal
Trichophyton rubrum	NOT DETECTED	Normal

Anti-Microbial Resistance

Beta Lactamase (CTX-M-Grp1)	NOT DETECTED	Normal
Beta Lactamase Resistance (SHV)	NOT DETECTED	Normal
Beta Lactamase Resistance (TEM)	NOT DETECTED	Normal
Carbapenem Resistance (NDM)	NOT DETECTED	Normal
Carbapenem Resistance (OXA)	NOT DETECTED	Normal
Fluoroquinolone Resistance (gyrA)	NOT DETECTED	Normal
Fluoroquinolone Resistance (qnr)	NOT DETECTED	Normal
Methicillin Resistance (MecA)	DETECTED	Normal
Sulfonamide Resistance (Sul1)	NOT DETECTED	Normal
Tetracycline Resistance (tetB)	NOT DETECTED	Normal
Tetracycline Resistance (tetM)	NOT DETECTED	Normal
Trimethoprim Resistance (DfrA1)	NOT DETECTED	Normal
Vancomycin Resistance (VanA)	NOT DETECTED	Normal
Vancomycin Resistance (vanB)	NOT DETECTED	Normal
Vancomycin Resistance (VanM)	NOT DETECTED	Normal

****END OF REPORT****

Scan to Validate



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Report ID	FG250515079	Patient	Callaway, Lois	DOB	7/31/1942	Collected	5/14/2025
Specimen Type	Nail	Provider	Gipson, Helen	Resulted	5/16/2025	Received	5/16/2025

Infection Complexity **ARKSCORE™**

LO **1**  HI

Organisms Detected

- o Candida parapsilosis
- o Enterobacter cloacae
- o Klebsiella aerogenes
- o Serratia marcescens
- o Staphylococcus haemolyticus

Resistance Detected

Methicillin

Antimicrobial Resistance **ARKSCORE™**

LO **2**  HI

No Allergies Reported

OneChoice Drug Info

Not Applicable

ONECHOICE®

Treatment may not be indicated

Alternative Treatment Options with Adverse Reaction ArkScore™

Chronic nail infections are often associated with fungal pathogens such as Trichophyton. Candida may be a culprit; however, it may also represent colonization or contamination. If concerned, fluconazole **ARKSCORE 1** may be a possible option although unclear efficacy. Other microbes detected may represent contamination and/or colonization. If concerned, TMP-SMX **ARKSCORE 2** may have activity although unclear efficacy. ‡

Why is this the OneChoice?

The other organisms were not targeted since they may be colonizers, found naturally, or possible contaminants. If concerned, treatment modifications may be needed. Resistance genes were detected which may limit available options if treatment is considered. ‡

When should this be treated?

Chronic infections of the nail may present as discoloration, thickening, or separation. Diagnosis is confirmed with nail microbiology results with the most common fungal pathogens in the genus Trichophyton. Microbe detection may not indicate infection and may represent colonization or contamination. Treatment duration depends on the microbe detected although it may extend for several weeks and up to several months. ‡

Are there any special considerations?

Multiple microbes detected may indicate contamination or colonization. Patients may have colonized microbes, so a positive specimen does not necessarily mean infection. However, normal epidermal flora may be pathogenic at times. Resistance is variable; therefore, drug failure is possible. Resistance detected may only affect certain microbes, and in some cases, none at all. ‡

ONECHOICE® PLUS



Dose adjustments, other drug options, references, translations and support

Infection Control Precautions: ☒ Standard

* Dosing and duration of treatment based on adult patient, with no medical history, normal BMI, renal and hepatic functions, and minimal time required to treat simple infections. Treatment is directed at common pathogens noted above, and the most commonly associated antibiotic resistance based on genes detected. Resistance is variable and drug failure is possible. Additional microbiology workup and treatment modification may be needed. Visit OneChoice Plus for expanded information.

‡ For education purposes only. This is not a diagnosis. Clinical correlation and physician judgment required when making diagnosis or treatment decisions. Recommendations based on lab results, and limited to specimen source, organisms, resistance, allergies, and ICD10 codes. Patient has not been examined nor their medical history reviewed.

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