

Molecular Detection	Chemistry	Extraction Method/Platform	Amplification Platform	Turnaround Time to Results	Matrix Tested
real-time PCR ¹	TaqMan®	freezing, heating, bead beating ^c	ABI 7500 Fast Real-Time PCR System	within 4 hr of sample processing	clinical swabs (axilla-groin, axilla, groin, nares, ear, rectal, wound)
real-time PCR ²	TaqMan®	BD Max ^{TMb} with BD Max TM ExK TM DNA-1 DNA Extraction Kit	BD Max ^{TMb}	not listed	clinical swabs (axilla-groin, axilla, groin, nares)
real-time PCR ³	TaqMan®	Roche MagNA Pure 96 ^b with MagNA Pure 96 DNA and Viral NA Kit [*]	ABI 7500 Fast Dx Real-Time PCR System	92 samples in 4 to 5 hr	clinical swabs (dermal)
real-time PCR ⁴	Dual Hybridization (FRET)	Roche MagNA Pure LC 2.0 Instrument ^b with MagNA Pure LC Total NA Isolation Kit (blood, urine) OR heat-based (swab)	Roche LightCycler 480	not listed	pure isolates, whole blood, urine, clinical swabs (axilla-groin)
real-time PCR ⁵	SYBR® Green with melt curve	direct colony PCR (no extraction) OR heat-based	Stratagene Mx3005P qPCR system	2 hr for real-time PCR & colony PCR	pure isolates
real-time PCR ⁶	SYBR® Green with melt curve	Qiagen DNeasy® PowerLyzer® Microbial Kit	Bio-Rad C1000/CFX 96 Real-Time PCR system	<5 hr	clinical swabs (axilla-groin)
T2 Magnetic Resonance Platform ⁷ (T2Cauris PanelTM)	magnetic resonance	T2Dx® Instrument ^b	T2Dx® Instrumentb	4 to 8 hr; up to 7 samples simultaneously	clinical swabs (axilla-groin)
isothermal amplification ⁸	loop-mediated isothermal amplification (LAMP)	Isolate: bioMérieux NucliSENS® miniMag® system OR phenol-chloroform Clinical swab: Kaneka Easy DNA Extraction Kit Version 2 [*]	Eiken Chemical Loopamp® Turbidimeter RT-160C	~1 hr including extraction	pure isolates, 1 clinical swab (ear), mock environmental samples
real-time PCR ⁹	Fungiplex® Candida Auris RUO PCR Kit ^a	Qiagen EZ1® ^b Advanced XL with EZ1® DSP Virus Kit OR heat-based	ABI 7500, ABI Quantstudio 5, Bio-Rad CFX, Hain FluoroCycler XT, Mic qPCR Cycler, Qiagen RotorGene, Roche LightCycler 480 II	<2 hr from extraction	pure isolates, simulated swabs
real-time PCR ¹⁰	Olm Diagnostics Auris ID® ^a	user-defined	user-defined	within 45 min. of extraction	pure isolates, blood samples
real-time PCR ^{11, 12} (UCLA/DiaSorin)	DiaSorin Molecular C. auris Primer Pair ^a	bead beating, Qiagen EZ1® Advanced XL ^b with EZ1® DNA Tissue Kit	DiaSorin Molecular LIAISON® MDX	4 hr for 12 samples	clinical swabs (dermal), environmental swabs

The summarized methods describe *C. auris*-specific molecular assays. These methods have not received FDA approval and would be subject to appropriate validation by the onboarding facility and review by the appropriate regulatory body. The methods described are as published. With appropriate validation by the operating laboratory, different sample matrices, nucleic acid extraction methods, and amplification methods could be combined to meet laboratory-specific workflows and needs.

¹⁻¹²The associated reference for the described method.

^aCommercially available *C. auris*-specific PCR reagents.

^bAutomated nucleic acid extraction or amplification platforms.

^cMethod specifies a pre-treatment step for certain sample types.

Version Date: June 2021

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