



***Candida auris*:** **An emerging pathogen**

Candida auris is an emerging fungal pathogen first isolated from the ear of a patient from Japan in 2009. It has subsequently been isolated from several sites of infection including the bloodstream and skin wounds world-wide. It is of concern due to its multidrug resistant nature and high mortality rate.

A study by the UK National Mycology Reference Laboratory (MRL) investigated the pathogenicity of strains of *C. auris* compared with other *Candida* species isolated in the UK.

21 strains isolated from 14 hospitals in the UK are now available from NCPF. Minimum inhibitory concentrations data is available for several antifungals including fluconazole and nystatin amongst others.

Reference:

Borman, A., Szekely, A., & Johnson, E. (2016). Comparative Patho-genicity of United Kingdom Isolates of the Emerging Pathogen *Candida auris* and Other Key Pathogenic *Candida* Species. *MSphere*, 1(4), *MSphere*, 2016, Vol.1(4)

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The following isolates of *Candida auris* are available from NCPF. MICs for fluconazole and nystatin are shown where available. MICs for additional antifungals are available on request.

NCPF				
Number	Species name	Site of origin	MIC-Fluconazole	MIC-Nystatin
NCPF 8971	<i>Candida auris</i>	Wound swab	16	4
NCPF 8973	<i>Candida auris</i>	Not Known	16	4
NCPF 8976	<i>Candida auris</i>	Groin	64	2
NCPF 8977	<i>Candida auris</i>	Fluid	64	4
NCPF 8978	<i>Candida auris</i>	Pleural fluid	64	8
NCPF 8979	<i>Candida auris</i>	Swab of pustules	64	8
NCPF 8981	<i>Candida auris</i>	Not Known	64	8
NCPF 8982	<i>Candida auris</i>	Blood	64	4
NCPF 8984	<i>Candida auris</i>	Not Known	64	0.5
NCPF 8985	<i>Candida auris</i>	Wound swab	64	8
NCPF 8990	<i>Candida auris</i>	Wound swab	—	—
NCPF 8991	<i>Candida auris</i>	Pleural fluid	—	—
NCPF 8993	<i>Candida auris</i>	Blood culture	32	—
NCPF 8994	<i>Candida auris</i>	Swab	8	—
NCPF 8995	<i>Candida auris</i>	Swab	—	—
NCPF 8996	<i>Candida auris</i>	Blood culture	64	—
NCPF 13000	<i>Candida auris</i>	Groin swab	16	16
NCPF 13001	<i>Candida auris</i>	Not Known	16	4
NCPF 13002	<i>Candida auris</i>	Urine	—	—
NCPF 13003	<i>Candida auris</i>	Not Known	64	—
NCPF 13004	<i>Candida auris</i>	Blood	64	—

For additional information on these strains, or to order, please contact:

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