



UK NEQAS for Microbiology PO Box 63003, NW9 1GH

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### Scoring for bacteriology schemes and fungal isolates included as part of the bacteriology distribution

Table 1. Single 'core' or 'advanced' pathogen

Response	core	advanced
Unexpected pathogen	-1	-1
Negative result	0	0
Unnamed/unspecified micro-organism	0	0 <sup>†</sup>
Correct genus only	0	2
Correct species *	2	2
Correct species but incorrect serotype	0	1
Incorrect species	0	1
Incorrect genus	0	0
Additional unexpected pathogen	-1	-1
Correct direct toxin result <sup>#</sup>	2	2
Incorrect toxin result <sup>#</sup>	-1	-1

\* With or without the correct serotype / toxin result

† 'Unnamed anaerobe' specified scored as 1

<sup>#</sup>only used for the *Clostridium difficile* scheme (scoring approved by NQAAP)

Table 2. Mixed 'core' and 'advanced' pathogen

Response	core	advanced
Unexpected pathogen	-1	-1
Negative result	0	0
Unnamed/unspecified micro-organism	0	0
Correct genus for both	0	2
Correct species for both	2	2
One incorrect species for either	0	1
Incorrect species for both pathogens	0	0
Incorrect genus for one pathogen	0	0
Only one pathogen isolated	0	0
Additional unexpected pathogen	-1	-1

*Rationale:*

- Organisms categorised as '**core**' can be readily identified in-house without the requirement for specialist methodology or expertise
- Organisms categorised as '**advanced**' normally referred to a reference or expert laboratory for confirmation and/or specialist testing



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### BACTERIA and FUNGI

List of bacteria and fungi distributed and categorised as 'core' or 'advanced' organisms in accordance with the General Bacteriology scoring scheme criteria.

Core	Advanced
<i>Aeromonas hydrophila</i>	<i>Actinomadura madurae</i>
<i>Arcanobacterium haemolyticum</i>	<i>Acinetobacter lwoffii</i>
<i>Bacteroides fragilis</i>	<i>Acinetobacter baumannii</i>
Beta haem. streptococcus group A, B, C, G	<i>Actinomyces israelii</i>
<i>Candida albicans</i>	<i>Actinomyces odontolyticus</i>
<i>Clostridium bifermentans</i>	<i>Agrobacter radiobacter</i>
<i>Clostridium difficile</i>	<i>Aspergillus flavus</i>
<i>Clostridium perfringens</i>	<i>Aspergillus fumigatus</i>
<i>Clostridium septicum</i>	<i>Aspergillus niger</i>
<i>Clostridium sporogenes</i>	<i>Bacillus cereus</i>
<i>Clostridium tetani</i>	<i>Bacillus subtilis</i>
<i>Corynebacterium diphtheriae</i>	<i>Bordetella parapertussis</i>
<i>Corynebacterium striatum</i>	<i>Bordetella pertussis</i>
<i>Corynebacterium ulcerans</i>	<i>Burkholderia cepacia</i>
<i>Cryptococcus neoformans</i>	<i>Campylobacter coli</i>
<i>Enterococcus faecalis</i>	<i>Campylobacter jejuni</i>
<i>Enterococcus faecium</i>	<i>Candida krusei</i>
<i>Enterococcus gallinarum</i>	<i>Candida parapsilosis</i>
<i>Erysipelothrix rhusiopathiae</i>	<i>Candida tropicalis</i>
<i>Escherichia coli</i> O157	<i>Capnocytophaga canimorsus</i>
<i>Haemophilus influenzae</i>	<i>Cardiobacterium hominis</i>
<i>Haemophilus parainfluenzae</i>	<i>Clostridium novyi</i>
<i>Klebsiella pneumoniae</i>	<i>Eikenella corrodens</i>
<i>Moraxella catarrhalis</i>	<i>Fusobacterium necrophorum</i>
<i>Neisseria gonorrhoeae</i>	<i>Kingella kingae</i>
<i>Neisseria meningitidis</i>	<i>Lactobacillus acidophilus</i>
<i>Pasteurella multocida</i>	<i>Lactobacillus paracasei</i>
‡ <i>Plesiomonas shigelloides</i>	<i>Lactobacillus rhamnosus</i>
<i>Prevotella intermedia</i>	<i>Legionella pneumophila</i>
<i>Prevotella melaninogenica</i>	‡ <i>Leuconostoc mesenteroides</i>
<i>Pseudomonas aeruginosa</i>	<i>Listeria ivanovii</i>
<i>Ralstonia picketii</i>	<i>Listeria monocytogenes</i>
<i>Rothia mucilaginosa</i>	<i>Mycobacterium</i> spp.
<i>Serratia marcescens</i>	<i>Nocardia (Cyriacigeorgica) asteroides</i>
<i>Shigella sonnei</i>	<i>Peptostreptococcus anaerobius</i>
<i>Streptococcus anginosus</i> group	<i>Peptostreptococcus asaccharolyticus</i>
<i>Streptococcus bovis</i>	<i>Peptostreptococcus (Finegoldia) magna</i>
<i>Streptococcus milleri</i> group	<i>Porphyromonas endodontalis</i>
<i>Streptococcus oralis</i>	<i>Rhodococcus equi</i>
<i>Streptococcus pneumoniae</i>	<i>Rothia dentacariosa</i>
<i>Staphylococcus aureus</i>	<i>Salmonella</i> spp.
<i>Staphylococcus epidermidis</i>	<i>Shigella boydii</i>
<i>Staphylococcus saprophyticus</i>	<i>Shigella dysenteriae</i>
<i>Stenotrophomonas maltophilia</i>	<i>Shigella flexneri</i>
<i>Vibrio cholerae</i>	<i>Sphingomonas paucimobilis</i>
<i>Vibrio parahaemolyticus</i>	<i>Vibrio alginolyticus</i>
<i>Yersinia enterocolitica</i>	<i>Vibrio vulnificus</i>
<i>Yersinia pseudotuberculosis</i>	

‡ Educational

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## An International Quality Assessment Service for Microbiology



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### Scoring for mycology distributions.

#### Fungi are categorised as core, advanced and genus only

Response	core	advanced	genus only
Negative result	0	0	0
Unnamed fungus	0	0	0
Correct genus	1	2	2
Correct species	2	2	-
Incorrect species	0	1	-
Incorrect genus	0	0	0

- 'Core' pathogen – fungi commonly encountered and characterised in-house.
- 'Advanced' pathogen – fungi commonly referred to a reference laboratory for full characterisation or confirmation.
- 'Genus only' – fungi of special interest generally as emerging pathogens but isolated relatively infrequently and commonly referred to a reference laboratory for full characterisation. (Fungi in this category may be deemed advanced pathogens at a future time after due consideration by NQAAP and with prior notice to participants).

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### Fungi

List of Fungi distributed and categorised as 'core', 'advanced' or 'genus only' organisms in accordance with the mycology scoring scheme criteria.

Core	Advanced	Genus only
<i>Aspergillus flavus</i> complex	<i>Myocladus corymbifera</i>	<i>Acremonium</i> species.
<i>A. fumigatus</i> complex	<i>Aspergillus candidus</i>	<i>Alternaria</i> sp.
<i>A. niger</i>	<i>A. glaucus</i>	<i>Bioplaris</i> spp.
<i>A. terreus</i>	<i>A. nidulans</i>	<i>Cladosporium</i> spp.
<i>Candida albicans</i>	<i>A. versicolor</i>	<i>Curvularia lunata</i>
<i>C. dubliniensis</i>	<i>Blastoschizomyces capitatus</i>	<i>Exophiala</i> spp.
<i>C. glabrata</i>	<i>Geotrichum candidum</i>	<i>Geotrichum</i> spp.
<i>C. kefyr</i>	<i>Candida guilliermondii</i>	<i>Fusarium</i> spp.
<i>C. krusei</i>	<i>C. lipolytica</i>	<i>Mucor</i> spp.
<i>C. parapsilosis</i>	<i>C. lusitaniae</i>	<i>Penicillium</i> spp.
<i>C. tropicalis</i>	<i>Chrysosporium keratinophilum</i>	<i>Phoma</i> spp.
<i>Cryptococcus neoformans</i>	<i>Cunninghamella bertholletiae</i>	
<i>Epidermophyton floccosum</i>	<i>Microsporum audouinii</i>	
<i>Microsporum canis</i>	<i>M. persicolor</i>	
<i>M. gypseum</i>	<i>P. lilacinus</i>	
<i>P. variotii</i>	<i>Phialophora richardsiae</i>	
<i>Saccharomyces cerevisiae</i>	<i>Rhizomucor pusillus</i>	
<i>Scopulariopsis brevicaulis</i>	<i>Rhizopus arrhizus</i>	
<i>Trichophyton interdigitale</i>	<i>R. microsporus</i>	
<i>T. mentagrophytes</i>	<i>Scedosporium apiospermum</i>	
<i>T. rubrum</i>	<i>S. prolificans</i>	
<i>T. tonsurans</i>	<i>Neoscytalidium dimidiatum</i>	
	<i>N. hyalinum</i>	
	<i>Sporothrix schenckii</i>	
	<i>Trichophyton erinacei</i>	
	<i>T. terrestre</i>	
	<i>T. verrucosum</i>	
	<i>T. violaceum</i>	
	<i>Trichosporon beigelii</i>	
	<i>T. mucoides</i>	