



UK NEQAS for Microbiology PO Box 63003, NW9 1GH

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List of Organisms Distributed in UK NEQAS Schemes

The organisms listed on the following pages have all been distributed one or more times in a UK NEQAS specimen.

The choice and frequency of organisms distributed depends on a number of factors including the current epidemiology, clinical importance and educational value. Obviously, some are distributed more frequently than others depending on these factors.

Bacteria distributed for antimicrobial susceptibility testing

Organisms for susceptibility testing are distributed as pure, freeze dried cultures with a request to identify the organism and test susceptibility to a named range of commonly used antimicrobial agents.

Antimicrobial susceptibility

Acinetobacter spp.
Citrobacter spp.
Enterobacter cloacae
Enterococcus faecalis
Enterococcus faecium
Escherichia coli
Haemophilus influenzae
Klebsiella spp.
Moraxella catarrhalis
Morganella morganii

Neisseria gonorrhoeae
Proteus spp.
Pseudomonas aeruginosa
Serratia marcescens
Staphylococcus aureus
Staphylococcus (coagulase -ve spp.)
Stenotrophomonas maltophilia
Streptococcus group A & B
Streptococcus mutans
Streptococcus pneumoniae
Streptococcus sanguis

Viruses recently distributed in specimens for virus identification

Specimens are generally distributed in liquid transport medium or as cell suspensions in a gelatin transport medium. Various serotypes are distributed for identification to levels appropriate to the normal practices of participants.

Viruses

Adenovirus
Coxsackievirus group A
Coxsackievirus group B
Cytomegalovirus
Echovirus
Herpes simplex virus type 1 and 2

Influenza A virus
Influenza B virus
Measles virus
Parainfluenza viruses
Respiratory syncytial virus
Rhinovirus
Varicella-zoster virus



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Bacteria and other organisms distributed as part of the general bacteriology scheme

Specimens are distributed as freeze dried cultures, mostly as mixtures. Organisms listed were considered as probable pathogens in the specimens distributed. Various other organisms are included as part of the normal flora in most specimens.

Bacteria and other organisms included in bacteriology specimens

<i>Aeromonas hydrophila</i>	<i>Enterococcus faecalis</i>	<i>Pasteurella multocida</i>
<i>Acinetobacter lwoffii</i>	<i>Enterococcus faecium</i>	<i>Peptostreptococcus anaerobius</i>
<i>Acinetobacter baumannii</i>	<i>Enterococcus gallinarum</i>	<i>Peptostreptococcus</i>
<i>Actinomadura madurae</i>	<i>Enterococcus</i> spp.	<i>asaccharolyticus</i>
<i>Actinomyces israelii</i>	<i>Erysipelothrix rhusiopathiae</i>	<i>Pleisiomonas shigelloides</i>
<i>Actinomyces odontolyticus</i>	<i>Escherichia coli</i>	<i>Porphyromonas endodontalis</i>
<i>Aggregatibacter aphrophilus</i>	<i>Escherichia coli</i> O157	<i>Prevotella intermedia</i>
<i>Aggregatibacter</i>	<i>Finegoldia magna</i>	<i>Prevotella melaninogenicus</i>
<i>actinomycetemcomitans</i>	(<i>Peptostreptococcus magnus</i>)	<i>Proteus mirabilis</i>
<i>Arcanobacterium haemolyticum</i>	<i>Fusobacterium necrophorum</i>	<i>Proteus vulgaris</i>
<i>Aspergillus flavus</i>	<i>Gardnerella vaginalis</i>	<i>Providencia alcalifaciens</i>
<i>Aspergillus fumigatus</i>	<i>Haemophilus influenzae</i>	<i>Pseudomonas aeruginosa</i>
<i>Aspergillus niger</i>	<i>Haemophilus parainfluenzae</i>	<i>Rhodococcus equi</i>
<i>Bacillus cereus</i>	<i>Hafnia alvei</i>	<i>Rothia mucilaginosa</i>
<i>Bacillus subtilis</i>	<i>Kingella kingae</i>	<i>Salmonella</i> species
<i>Bacteroides fragilis</i>	<i>Klebsiella pneumoniae</i>	<i>Salmonella</i> Anatum
<i>Bordetella parapertussis</i>	<i>Klebsiella</i> spp.	<i>Salmonella</i> Enteritidis
<i>Bordetella pertussis</i>	<i>Klebsiella oxytoca</i>	<i>Salmonella</i> Heidelberg
<i>Burkholderia cepacia</i>	<i>Lactobacillus acidophilus</i>	<i>Salmonella</i> Typhimurium
<i>Campylobacter coli</i>	<i>Lactobacillus rhamnosus</i>	<i>Salmonella</i> Virchow
<i>Campylobacter jejuni</i>	<i>Streptococcus oralis</i>	<i>Serratia marcescens</i>
<i>Candida albicans</i>	<i>Streptococcus pneumoniae</i>	<i>Shigella boydii</i>
<i>Candida krusei</i>	<i>Streptococcus salivarius</i>	<i>Shigella dysenteriae</i>
<i>Candida parapsilosis</i>	<i>Streptococcus sanguis</i>	<i>Shigella flexneri</i>
<i>Candida tropicalis</i>	<i>Sphingomonas paucimobilis</i>	<i>Shigella sonnei</i>
<i>Capnocytophaga canimorsus</i>	<i>Lactobacillus paracasei</i>	<i>Staphylococcus aureus</i>
<i>Chlamydia trachomatis</i>	<i>Legionella pneumophila</i>	<i>Staphylococcus</i> (coagulase negative spp.)
<i>Citrobacter diversus</i>	<i>Leuconostoc mesenteroides</i>	<i>Staphylococcus caprae</i>
<i>Citrobacter freundii</i>	<i>Listeria ivanovii</i>	<i>Staphylococcus epidermidis</i>
<i>Citrobacter koseri</i>	<i>Listeria monocytogenes</i>	<i>Staphylococcus haemolyticus</i>
<i>Citrobacter rosendi</i>	<i>Micrococcus</i> spp.	<i>Staphylococcus saprophyticus</i>
<i>Citrobacter youngae</i>	<i>Moraxella catarrhalis</i>	<i>Staphylococcus sciuri</i>
<i>Clostridium bifermentans</i>	<i>Moraxella osloensis</i>	<i>Staphylococcus warneri</i>
<i>Clostridium difficile</i>	<i>Moraxella phenylpyruvica</i>	<i>Staphylococcus xylosus</i>
<i>Clostridium novyi</i>	<i>Morganella morganii</i>	<i>Stenotrophomonas maltophilia</i>
<i>Clostridium perfringens</i>	<i>Mycobacterium avium-intracellulare</i>	<i>Streptococcus</i> group A,B,C,G
<i>Clostridium septicum</i>	<i>Mycobacterium bovis</i>	<i>Streptococcus acidomininus</i>
<i>Clostridium sporogenes</i>	<i>Mycobacterium fortuitum</i>	<i>Streptococcus bovis</i>
<i>Clostridium tetani</i>	<i>Mycobacterium kansasii</i>	<i>Streptococcus milleri</i>
<i>Corynebacterium diphtheriae</i>	<i>Mycobacterium malmoense</i>	<i>Streptococcus mitis</i>
<i>Corynebacterium ulcerans</i>	<i>Mycobacterium mageritense</i>	<i>Streptococcus mutans</i>
<i>Corynebacterium striatum</i>	<i>Mycobacterium tuberculosis</i>	<i>Vibrio alginolyticus</i>
<i>Cryptococcus neoformans</i>	<i>Neisseria gonorrhoeae</i>	<i>Vibrio cholerae</i>
<i>Eikenella corrodens</i>	<i>Neisseria lactamica</i>	<i>Vibrio parahaemolyticus</i>
<i>Enterobacter cloacae</i>	<i>Neisseria meningitidis</i>	<i>Vibrio vulnificus</i>
<i>Enterobacter</i> spp.	<i>Neisseria</i> spp.	<i>Yersinia enterocolitica</i>
	<i>Nocardia asteroides</i>	<i>Yersinia pseudotuberculosis</i>



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Fungi and yeasts distributed as part of the mycology scheme

Specimens are distributed as freeze dried cultures or liquid spore suspensions. In addition to the common fungal pathogens, rarer organisms are distributed in order to give participants the opportunity to familiarise themselves with them.

Fungi and Yeasts

Absidia corymbifera
Acremonium spp.
Alternaria alternata
Aspergillus candidus
Aspergillus clavatus
Aspergillus flavus
Aspergillus fumigatus
Aspergillus glaucus
Aspergillus nidulans
Aspergillus niger
Aspergillus terreus
Aspergillus versicolor
Beauveria bassiana
Blastoschizomyces capitatus
Bipolaris sp.
Candida albicans
Candida dubliniensis
Candida glabrata
Candida guilliermondii
Candida kefyr
Candida krusei
Candida lipolytica
Candida lusitanae
Candida parapsilosis
Candida tropicalis
Chaetomium sp.
Chrysosporium keratinophilum
Chrysosporium spp.
Cladosporium spp.
Cryptococcus albidus
Cryptococcus neoformans
Cunninghamella bertholletiae
Curvularia lunata
Epidermophyton floccosum
Exophiala dermatitidis
Exophiala spp.
Fusarium oxysporum
Fusarium solani
Fusarium spp.
Geomyces pannorum
Geotrichum candidum
Geotrichum spp.
Hendersonula toruloidea

Malassezia furfur
Malassezia pachydermatis
Microsporum audouinii
Microsporum canis
Microsporum gypseum
Microsporum persicolor
Monascus ruber
Mucor spp.
Mycocladius corymbiferus
Neoscytalidium dimidiatum
Neoscytalidium hyalinum
Onychocola canadensis
Nocardia asteroides
Nocardia otidiscaviarum
Paecilomyces lilacinus
Paecilomyces variotii
Penicillium spp.
Phialophora richardsiae
Phialophora spp.
Phoma spp.
Pseudoallescheria boydii
Rhizomucor pusillus
Rhizopus arrhizus/oryzae
Rhodotorula mucilanginosa (rubra)
Saccharomyces cerevisiae
Scedosporium apiospermum
Scedosporium prolificans
Scopulariopsis brevicaulis
Scytalidium dimidiatum
Scytalidium hyalinum
Sporothrix schenckii
Torulopsis glabrata
Trichophyton erinacei
Trichophyton interdigitale
Trichophyton mentagrophytes
Trichophyton rubrum
Trichophyton soudanense
Trichophyton terrestre
Trichophyton tonsurans
Trichophyton verrucosum
Trichophyton violaceum
Trichosporon beigelii
Trichosporon capitatum
Ulocladium sp.



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Parasites distributed as part of the faecal and blood parasitology schemes

Specimens are distributed as formalised faecal suspensions, faecal smears and as prepared blood slides. In addition to the common parasites, rarer organisms are distributed in order to give participants the opportunity to familiarise themselves with them.

Parasites

<i>Ancylostoma duodenale</i>	<i>Mansonella perstans</i>
<i>Ascaris lumbricoides</i>	<i>Microsporidia</i> spp.
<i>Babesia divergens</i>	<i>Necator americanus</i>
<i>Blastocystis hominis</i>	<i>Onchocerca volvulus</i>
<i>Brugia malayi</i>	<i>Opisthorchis sinensis</i>
<i>Chilomastix mesnili</i>	<i>Paragonimus</i> spp.
<i>Clonorchis sinensis</i>	<i>Plasmodium falciparum</i>
<i>Cryptosporidium</i> spp.	<i>Plasmodium malariae</i>
<i>Cyclospora cayetanensis</i>	<i>Plasmodium ovale</i>
<i>Dientamoeba fragilis</i>	<i>Plasmodium vivax</i>
<i>Diphyllobothrium latum</i>	<i>Schistosoma haematobium</i>
<i>Echinococcus granulosus</i>	<i>Schistosoma mansoni</i>
<i>Endolimax nana</i>	<i>Schistosoma mekongi</i>
<i>Entamoeba coli</i>	<i>Strongyloides stercoralis</i>
<i>Entamoeba hartmanni</i>	<i>Taenia</i> spp.
<i>Entamoeba histolytica/dispar</i>	<i>Toxocara canis</i>
<i>Enterobius vermicularis</i>	<i>Toxoplasma gondii</i>
<i>Fasciola hepatica</i>	<i>Trichomonas hominis</i>
<i>Giardia lamblia</i>	<i>Trichomonas vaginalis</i>
Hookworm spp.	<i>Trichostrongylus</i> spp.
<i>Hymenolepis diminuta</i>	<i>Trichuris trichiura</i>
<i>Hymenolepis nana</i>	<i>Trypanosoma brucei</i> spp.
<i>Iodamoeba butschlii</i>	<i>Trypanosoma cruzi</i>
<i>Isospora belli</i>	<i>Wuchereria bancrofti</i>
<i>Leishmania</i> spp.	
<i>Loa loa</i>	