

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	
<i>Citrobacter</i> spp.	<i>Proteus</i> spp.
<i>Enterobacter cloacae</i>	<i>Pseudomonas aeruginosa</i>
<i>Enterococcus faecalis</i>	<i>Serratia marcescens</i>
<i>Enterococcus faecium</i>	<i>Staphylococcus aureus</i>
<i>Escherichia coli</i>	<i>Staphylococcus</i> (coagulase -ve spp.)
<i>Haemophilus influenzae</i>	<i>Streptococcus</i> group A & B
<i>Klebsiella</i> spp.	<i>Streptococcus mutans</i>
<i>Moraxella catarrhalis</i>	<i>Streptococcus pneumoniae</i>
<i>Morganella morganii</i>	<i>Streptococcus sanguis</i>
<i>Neisseria gonorrhoeae</i>	

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>
<i>Hookworm</i> 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>	

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

Virus 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 type	Influenza A virus
Coxsackievirus group A	Influenza B virus
Coxsackievirus group B	Measles virus
Cytomegalovirus	Mumps virus
Echovirus	Parainfluenza viruses
Hepatitis B virus	Respiratory syncytial virus
Hepatitis C virus	Rhinovirus
Herpes simplex virus type 1 and 2	Varicella-zoster virus

Fungi and yeasts distributed as part of the mycology scheme

Specimens are distributed as freeze dried cultures. 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	
<i>Absidia corymbifera</i>	<i>Geotrichum candidum</i>
<i>Acremonium</i> spp.	<i>Geotrichum</i> spp.
<i>Alternaria alternata</i>	<i>Hendersonula toruloidea</i>
<i>Aspergillus candidus</i>	<i>Malassezia furfur</i>
<i>Aspergillus clavatus</i>	<i>Malassezia pachydermatis</i>
<i>Aspergillus flavus</i>	<i>Microsporum audouinii</i>
<i>Aspergillus fumigatus</i>	<i>Microsporum canis</i>
<i>Aspergillus glaucus</i>	<i>Microsporum gypseum</i>
<i>Aspergillus nidulans</i>	<i>Microsporum persicolor</i>
<i>Aspergillus niger</i>	<i>Monascus ruber</i>
<i>Aspergillus terreus</i>	<i>Mucor</i> spp.
<i>Aspergillus versicolor</i>	<i>Nocardia asteroides</i>
<i>Beauveria bassiana</i>	<i>Nocardia otidiscaviarum</i>
<i>Blastoschizomyces capitatus</i>	<i>Paecilomyces lilacinus</i>
<i>Candida albicans</i>	<i>Paecilomyces variotii</i>
<i>Candida dubliniensis</i>	<i>Phialophora richardsiae</i>
<i>Candida glabrata</i>	<i>Phialophora</i> spp.
<i>Candida guilliermondii</i>	<i>Phoma</i> spp.
<i>Candida kefyr</i>	<i>Pseudoallescheria boydii</i>
<i>Candida krusei</i>	<i>Rhizomucor pusillus</i>
<i>Candida lipolytica</i>	<i>Rhizopus arrizus/oryzae</i>
<i>Candida lusitaniae</i>	<i>Rhodotorula mucilanginosa (rubra)</i>
<i>Candida parapsilosis</i>	<i>Saccharomyces cerevisiae</i>
<i>Candida tropicalis</i>	<i>Scedosporium apiospermum</i>
<i>Chrysosporium keratinophilum</i>	<i>Scedosporium prolificans</i>
<i>Chrysosporium</i> spp.	<i>Scopulariopsis brevicaulis</i>
<i>Cladosporium</i> spp.	<i>Scytalidium dimidiatum</i>
<i>Cryptococcus albidus</i>	<i>Scytalidium hyalinum</i>
<i>Cryptococcus neoformans</i>	<i>Sporothrix schenckii</i>
<i>Cunninghamella bertholletiae</i>	<i>Torulopsis glabrata</i>
<i>Curvularia lunata</i>	<i>Trichophyton erinacei</i>
<i>Epidermophyton floccosum</i>	<i>Trichophyton interdigitale</i>
<i>Exophiala dermatitidis</i>	<i>Trichophyton mentagrophytes</i>
<i>Exophiala</i> spp.	<i>Trichophyton rubrum</i>
<i>Fusarium oxysporum</i>	<i>Trichophyton soudanense</i>
<i>Fusarium solani</i>	<i>Tricopyton terrestre</i>
<i>Fusarium</i> spp.	<i>Trichophyton tonsurans</i>
	<i>Trichosporon beigelii</i>
	<i>Trichosporon capitatum</i>