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Guidance

# Specialist and reference microbiology: laboratory tests and services

Public Health England's laboratories provide a comprehensive range of microbiological tests and services.

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## Important service update

To enable Public Health England (PHE) reference and specialist laboratories to continue to provide critical support to the enhanced COVID-19 incident, [some service delivery changes](#)

<https://khub.net/documents/135939561/287909059/Changes+to+Reference+%28Colindale%29+and+Specialist+Microbiology+Services+during+the+enhanced+COVID-19+incident.pdf/6d4d6989-cc8d-90d0-4e6a-68b163872b95?t=1589368887728>) have been made with immediate effect.

The following updates have since been issued:

- Legionella services (urine antigen testing, PCR, culture and typing) are unaffected ([see user manual for details](#)) (<https://www.gov.uk/government/publications/bacteriology-reference-department-brd-user-manual>)
- Streptococcal identification and typing services are offered as routine, with priority to outbreak typing (GBS and GAS)
- Mycoplasma pneumoniae macrolide resistance testing is not suspended, but samples may be batched and turnaround times may be extended

The situation will be regularly reviewed. For the most current information, contact the relevant department using the contact details provided in the [BRD user manual](#) (<https://www.gov.uk/government/publications/bacteriology-reference-department-brd-user-manual>) or [VRD user manual](#) (<https://www.gov.uk/government/publications/virus-reference-department-vrd-user-manual>).

More information about the tests, services and reference units are available from the unit pages.

## Tests and services

Services	Test type	Request form
Acanthamoeba	For keratitis/ophthalmic samples only	Contact the <a href="#">Diagnostic Parasitology Lab</a> ( <a href="http://www.parasite-referencelab.co.uk">http://www.parasite-referencelab.co.uk</a> ) at the School of Hygiene and Tropical Medicine
Achromobacter	Species identification, molecular typing and antimicrobial resistance	<a href="#">H1</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="#">H2</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Acinetobacter	Species identification, molecular typing and antimicrobial resistance	<a href="#">H1</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="#">H2</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Actinomycetes (Aerobic)	Antimicrobial susceptibility	<a href="#">H1</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="#">H2</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Actinomycetes (Aerobic)	Identification and confirmation	<a href="#">M1</a> ( <a href="https://www.gov.uk/government/publications/identification-request-form">https://www.gov.uk/government/publications/identification-request-form</a> ), <a href="#">H2</a> ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )

Services uses (enteric)	Test type	Request form
Adenoviruses (respiratory)	PCR	<a href="https://www.gov.uk/government/publications/adenovirus-typing-request-form">E27 (https://www.gov.uk/government/publications/adenovirus-typing-request-form)</a>
Amoebae (excluding Acanthamoeba keratitis)	Detection, identification and confirmation, serodiagnosis	Contact National parasitology reference (NPRL)
Anaerobes (bacteroides, clostridia, fusobacteria, actinomyces spp., other closely related genera)	Identification	Contact ARU
Anthrax	See Bacillus anthracis	
Antibiotic resistance surveys	European antibiotic resistance surveillance scheme (EARSS) and surveillance of resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a>
Antibiotic susceptibility testing	New antimicrobials, susceptibility testing service, beta-lactamases, endocarditis	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Arboviruses (bunyaviridae, flaviviridae, togaviridae)	Isolation, serology, PCR	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit)</a>
Aspergillus	Identification and confirmation	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a>

Services	Confirmation Test type	Identification and susceptibility testing- request form <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">Request form</a> <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">mycology-and-assays-referral-form</a> )
Astrovirus	RT-PCR	E1 ( <a href="https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form">https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form</a> )
Astrovirus	Genotyping	Contact EVU
Bacillus anthracis	Identification and confirmation, PCR, serology, characterisation (phage, penicillin sensitivity)	Contact RIPL lab
Bacillus (other than B.anthraxis)	Identification	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )
Bacillus (other than B.anthraxis)	Molecular typing	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )
Bacillus (other than B.anthraxis)	Detection of emetic toxin gene by PCR	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )
Bacillus (other than B.anthraxis)	Antimicrobial susceptibility	H1 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Bacterial Identification Service (BIDS) - isolates	Isolate identification (unknown, atypical, fastidious, emerging bacteria)	M1 ( <a href="https://www.gov.uk/government/publications/identification-request-form">https://www.gov.uk/government/publications/identification-request-form</a> )
Bacterial Identification Service (BIDS) - clinical samples	Bacterial detection and species identification for culture-negative, unknown clinical	M1 ( <a href="https://www.gov.uk/government/publications/identification-request-form">https://www.gov.uk/government/publications/identification-request-form</a> )

Services	Test type from normally sterile sites	Request form
Blastomyces dermatidis	Serology, identification and confirmation	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> ( <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form</a> )
Bordetella spp.	Identification	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Bordetella spp.	Antimicrobial susceptibility	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Bordetella pertussis	Serology: anti-PT IgG antibodies Not suitable for immune status	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Bordetella pertussis	Oral fluid: anti-PT IgG antibodies. NOT suitable for immune status	Form distributed with kit
Bordetella pertussis	qPCR	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Brucella spp.	Serodiagnosis	<a href="https://www.gov.uk/government/publications/serology-referral-form">Y3 (https://www.gov.uk/government/publications/serology-referral-form)</a>
Brucella spp.	Speciation and characterisation	Contact AHVLA laboratory, Weybridge
Burkholderia spp.	Species identification, molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Burkholderia pseudomallei	Identification and antimicrobial	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>

**Services**

**Test type**

**Request form**  
[pathogens-request-form-multiple-isolates](https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates), [pathogens-request-form-single-isolate](https://www.gov.uk/government/publications/pathogens-request-form-single-isolate))

Candida spp.	Identification and confirmation	Y1 ( <a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form</a> ) ( <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form</a> )
Campylobacter	Antibiotic susceptibility testing for gram negative GI pathogens	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )
Campylobacter	Identification	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )
Chikungunya virus	Serology, PCR	P1 ( <a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit</a> )
Chlamydia (respiratory)	Only available after discussion and prior agreement with RVPBRU C. pneumoniae, C. psittaci, C. abortus: PCR assay	For urgent enquiries, contact RVPBRU
Chlamydia trachomatis	C. trachomatis: LGV multiplex PCR	B7 ( <a href="https://www.gov.uk/government/publications/confirmation-tests-request-form">https://www.gov.uk/government/publications/confirmation-tests-request-form</a> )
Clostridium difficile	16S/23S PCR ribotyping, antibiotic susceptibility testing and toxin A and B assay on isolates	Contact ARU
Clostridium botulinum	Detection and identification of C. botulinum from clinical, food or environmental	L4 ( <a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form</a> )

Services	Test type by PCR and culture	Request form
Clostridium botulinum	Detection of botulinum neurotoxins in clinical specimens or food	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a> <a href="https://www.gov.uk/government/publications/bacteria-food-and-environmental-sample-referral-form">https://www.gov.uk/government/publications/bacteria-food-and-environmental-sample-referral-form</a>
Clostridium perfringens	Identification of enterotoxigenic C. perfringens by PCR	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium perfringens	Molecular typing	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium perfringens	Detection of C. perfringens enterotoxin in faeces by ELISA	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium perfringens	C. perfringens Toxin (lethal toxins) typing by PCR	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium tetani	Detection and identification of C. tetani by PCR and culture	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium tetani	Detection of C. tetani neurotoxin in serum (note: serum will be first tested for tetanus antibody levels by RVPBRU)	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Clostridium tetani	Tetanus immunity: serum antibodies	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Coccidioides immitis	Serology, identification and confirmation	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> <a href="https://www.gov.uk/government/publications/mycology-and-aspergillus-referral-form">https://www.gov.uk/government/publications/mycology-and-aspergillus-referral-form</a>



Services	Confirmation of Test type, molecular typing and antimicrobial resistance	Request form ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Cystic Fibrosis (CF) pathogens	Identification and molecular typing	H2 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Cystic Fibrosis (CF) pathogens	Antimicrobial susceptibility	H1 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Cryptococcus spp.	Identification and confirmation	Y1 ( <a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-requests">https://www.gov.uk/government/publications/identification-and-susceptibility-testing-requests</a> ) ( <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form</a> )
Cryptosporidium spp.	Detection, identification and confirmation, typing	Contact CRU
Dengue virus	Serology, PCR	P1 ( <a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit</a> )
Dermatophytes	Identification, confirmation	Y1 ( <a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-requests">https://www.gov.uk/government/publications/identification-and-susceptibility-testing-requests</a> ) ( <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form</a> )
Diphtheria (see <i>Corynebacterium diphtheriae</i> )		
Ebola virus	Serology, PCR. Please contact lab before sending samples.	P1 ( <a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit</a> )
Elizabethkingia.spp	Identification, molecular typing and antimicrobial resistance	H1 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )

Services	Test type	Request form
Escherichia spp.	Molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Enterococcus spp.	Species identification, molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Enterovirus	RT-PCR	<a href="https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Enterovirus	Virus culture	Contact EVU
Enterovirus	Typing	<a href="https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Escherichia	Antibiotic susceptibility testing for gram negative GI pathogens	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Escherichia	E. coli (ACDP HG 2 only): molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H2 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Escherichia	Identification and typing	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Escherichia	E. coli O157: serodiagnostic service	<a href="https://www.gov.uk/government/publications/bacteria-clinical-referral-form">L5 (https://www.gov.uk/government/publications/bacteria-clinical-referral-form)</a>
Escherichia	Detection and isolation from faeces	<a href="https://www.gov.uk/government/publications/bacteria-clinical-referral-form">L5 (https://www.gov.uk/government/publications/bacteria-clinical-referral-form)</a>
Francisella spp., including tularensis	PCR, serology, isolation	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit)</a>

Services	Test type	Request form
Negative bacteria non fermenter and fastidious organisms	Molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Gram-positive bacteria (except C.diphtheriae)	Molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Haemophilus	Haemophilus spp. (excluding H. ducreyi): identification	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Haemophilus	H. influenzae: serotyping and capsular genotyping of H.influenzae	<a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">R3 (https://www.gov.uk/government/publications/preventable-bacteria-section-request-form)</a>
Haemophilus spp. and Aggregatibacter spp.	Antimicrobial susceptibility	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Haemorrhagic fever viruses (filoviridae, arenaviridae, Bunyaviridae)	Serology, PCR. Please contact lab before sending samples.	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-)</a>
Hantavirus	Serology, PCR.	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-)</a>
Hendra virus	Serology, PCR. Please contact lab before sending samples.	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-)</a>
Helicobacter	Antibiotic susceptibility	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>

Services	susceptibility Test type for gram negative GI pathogens	gastrointestinal-bacteria-culture-referral-form <b>Request form</b>
Helicobacter	H. pylori identification and antibiotic susceptibility	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a> ( <a href="https://www.gov.uk/government/publications/bacteria-clinical-referral-form">https://www.gov.uk/government/publications/bacteria-clinical-referral-form</a> )
Hepatitis A virus (HAV)	RNA	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis A virus (HAV)	Genotyping and phylogenetics	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis A virus (HAV)	Anti-HAV IgG and IgM	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	HBsAg detection	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	HBsAg quantification	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	HBsAg neutralisation	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	HBeAg	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	Anti-HBc	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	Anti-HBc IgM	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	Anti-HBs	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	Anti-HBe	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	DNA viral load	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis B virus (HBV)	Pre-core and BCP mutation screen	<a href="https://www.gov.uk/government/publications/h-b-virus-hbv-sequencing-request-form">S10 (https://www.gov.uk/government/publications/h-b-virus-hbv-sequencing-request-form)</a>

Services (HBV)	Test type mutation screen	Request form <a href="#">b-virus-hbv-sequencing-request-form/</a>
Hepatitis B virus (HBV)	Surface mutation screen	<a href="https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form">S10 (https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form)</a>
Hepatitis B virus (HBV)	Antiviral resistance	<a href="https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form">S10 (https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form)</a>
Hepatitis B virus (HBV)	Genotyping and phylogenetics	<a href="https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form">S10 (https://www.gov.uk/government/publications/b-virus-hbv-sequencing-request-form)</a>
Hepatitis C virus (HCV)	Antibody confirmation and viral load	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Antibody confirmation (dried blood spots and oral fluid samples)	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Viral load	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Viral load (sensitivity >15 IU/ml) Please contact lab prior to sample referral	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Qualitative RNA detection	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Genotyping (NS5B sequencing): EDTA plasma	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Genotyping (NS5B sequencing): dried blood spots	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	Phylogenetics	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis C virus (HCV)	HCV DAA genotypic resistance	Contact AVU

Service	Test type	Request form
Hepatitis Delta virus (HDV)	Anti-HDV IgG	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis Delta virus (HDV)	Anti-HDV IgM	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis Delta virus (HDV)	RNA	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis E virus (HEV)	Anti-HEV IgG	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis E virus (HEV)	Anti-HEV IgM	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis E virus (HEV)	RNA	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Hepatitis E virus (HEV)	Genotyping, phylogenetics	<a href="https://www.gov.uk/government/publications/viruses-investigation-request-form">S1 (https://www.gov.uk/government/publications/viruses-investigation-request-form)</a>
Herpes simplex virus (HSV 1 and 2)	Phenotypic drug resistance	Contact AVU
Herpes simplex virus (HSV 1 and 2)	Intrathecal antibody testing	<a href="https://www.gov.uk/government/publications/antibody-test-request-form">E22 (https://www.gov.uk/government/publications/antibody-test-request-form)</a>
Histoplasma capsulatum	Serology, identification and confirmation	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form)</a>
Histology slides	Examination for the presence of fungi	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form)</a>
HIV-1 and HIV-2	HIV 1, HIV-2 antibody screen, confirmation, typing	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV 1, HIV-2 antibody screen, confirmation	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>

Services	Confirmation, Test type (dried blood spots)	Request form
HIV-1 and HIV-2	HIV 1, HIV-2 antibody screen, confirmation, typing, oral fluid (OraSure)	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV-1 proviral DNA	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV-1 RNA quantification (viral load)	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV-1 p24 antigen with neutralisation	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV-1 incidence testing (avidity)	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S3 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
HIV-1 and HIV-2	HIV-1 genotypic resistance	<a href="https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form">S9 (https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form)</a>
HIV-1 and HIV-2	HIV-1 proviral tropism testing	<a href="https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form">S9 (https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form)</a>
HIV-1 and HIV-2	Detection of minority drug resistance mutants	<a href="https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form">S9 (https://www.gov.uk/government/publications/genotypic-susceptibility-testing-request-form)</a>
HIV-1 and HIV-2	HIV-1 sequencing and sequence comparison	Contact AVU
Human T- lymphotropic virus type I and Human T-lymphotropic virus type II (HTLV- I and II)	HTLV antibody screen, confirmation, typing	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S5 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>
Human T-	HTLV type-specific	<a href="https://www.gov.uk/government/publications/reference-test-referral-form">S5 (https://www.gov.uk/government/publications/reference-test-referral-form)</a>

Services	HTLV type specimens Test type	Request form
Human T-lymphotropic virus type I and Human T-lymphotropic virus type II (HTLV-I and II)	PCR	<a href="https://www.gov.uk/government/publications/htlv-1-2-referral-form">E18 (https://www.gov.uk/government/publications/htlv-1-2-referral-form)</a>
Human herpesvirus 6 (HHV-6)	PCR and genotyping	<a href="https://www.gov.uk/government/publications/hhv-7-referral-form">E18 (https://www.gov.uk/government/publications/hhv-7-referral-form)</a>
Human herpesvirus 7 (HHV-7)	PCR	<a href="https://www.gov.uk/government/publications/hhv-7-referral-form">E18 (https://www.gov.uk/government/publications/hhv-7-referral-form)</a>
Human herpesvirus 8 (HHV-8)	Quantitative DNA PCR	<a href="https://www.gov.uk/government/publications/herpesvirus-8-hhv-8-referral-form">S19 (https://www.gov.uk/government/publications/herpesvirus-8-hhv-8-referral-form)</a>
Human metapneumovirus	Virus detection by PCR and sequencing	Contact RVU
Hydatid disease or Echinococcosis	Serology	Contact NPRL
Identification of bacterial isolates with no national reference facility (unknowns, atypical, fastidious, emerging)	MALDI-TOF-MS, 16s ribosomal sequence analysis	<a href="https://www.gov.uk/government/publications/bacterial-identification-request-form">M1 (https://www.gov.uk/government/publications/bacterial-identification-request-form)</a>
Infection prevention and control	testing	Contact AMRHAI
Influenza	Virus detection by multiplex PCR	<a href="https://www.gov.uk/government/publications/influenza-strains-request-form">E3 (https://www.gov.uk/government/publications/influenza-strains-request-form)</a>
Influenza	Strain typing HAI	<a href="https://www.gov.uk/government/publications/influenza-strains-request-form">E3 (https://www.gov.uk/government/publications/influenza-strains-request-form)</a>
Influenza	Antibody response HAI	<a href="https://www.gov.uk/government/publications/influenza-serology-request-form">E2 (https://www.gov.uk/government/publications/influenza-serology-request-form)</a>

Services	Test type	Request Form
	Phenotypic drug resistance	Contact RVU
Influenza	Genotypic drug resistance by pyrosequencing and SNP PCR	Contact RVU
Influenza	Genotypic drug resistance by gene sequencing	Contact RVU
Influenza (avian)	Confirmation of regional laboratory H9 virus detection	Contact RVU
Influenza (avian)	Antibody response	Contact RVU
JC virus (see Polyomavirus)	PCR	<a href="https://www.gov.uk/government/publications/jc-investigation-request-form">E13 (https://www.gov.uk/government/publications/jc-investigation-request-form)</a>
Klebsiella spp.	Molecular typing and antimicrobial resistance	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Lassa virus	Serology, PCR. Please contact lab before sending samples.	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit)</a>
Legionella	L.pneumophila: in-house urinary antigen EIA assay (confirmation of sending lab testing results only)	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>
Legionella	L pneumophila PCR (from urinary antigen positive patients only)	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>

Services	Test type	Request form
Legionella	Identification and epidemiological typing of clinical or outbreak associated isolates	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>
Leuconostoc spp.	Antimicrobial susceptibility	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Leptospira spp	Isolation and confirmation, identification, serology	<a href="https://www.gov.uk/government/publications/request-form">Leptospirosis: request form (https://www.gov.uk/government/publications/request-form)</a>
Listeria spp.	Identification, serotyping and molecular typing of L.monocytogenes	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Listeria spp.	Species identification of Listeria	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Listeria spp.	Antimicrobial susceptibility	<a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">H1 (https://www.gov.uk/government/publications/pathogens-request-form-single-isolate)</a>
Lyme disease	Serology, PCR	<a href="https://www.gov.uk/government/publications/disease-test-request-form">P2 (https://www.gov.uk/government/publications/disease-test-request-form)</a>
Malaria	Blood film diagnosis, antigen detection, PCR, drug resistance markers	<a href="https://www.gov.uk/government/publications/malaria-report-form">Malaria report form (https://www.gov.uk/government/publications/malaria-report-form)</a>
Marburg virus	Serology, PCR. Please contact lab before sending samples	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit)</a>

Services	Test type	Request form
Measles	IgG and IgM serology for recent infection	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Measles	IgG antibody status	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Measles	Intrathecal antibody testing	<a href="https://www.gov.uk/government/publications/antibody-test-request-form">E22 (https://www.gov.uk/government/publications/antibody-test-request-form)</a>
Measles	PCR	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Measles	Plaque reduction neutralisation assay	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Middle East respiratory syndrome coronavirus (MERS-CoV)	Contact laboratory prior to collection of specimens	<a href="https://www.gov.uk/government/publications/confirmatory-testing-request-form">E16 (https://www.gov.uk/government/publications/confirmatory-testing-request-form)</a>
Molluscum contagiosum	Electron microscopy	<a href="https://www.gov.uk/government/publications/microscopy-referral-form">E17 (https://www.gov.uk/government/publications/microscopy-referral-form)</a>
Moulds	Identification and confirmation, susceptibility testing	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form"> (https://www.gov.uk/government/publications/mycology-and-assays-referral-form)</a>
Methicillin-resistant staphylococcus aureus (MRSA) (see Staphylococcus)		
Mumps	IgG and IgM serology for recent infection	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Mumps	IgG antibody status	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Mumps	PCR	<a href="https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>

Mycobacterium spp.	Identification, genotyping, drug susceptibility, molecular diagnosis (eg PCR for rapid species identification and detection of resistance genes), molecular epidemiological studies, QuantiFERON®-TB Gold test	<a href="#">N1</a> <a href="https://www.gov.uk/government/publications/referral-form"> (https://www.gov.uk/government/publications/referral-form)</a> , <a href="#">N4</a> <a href="https://www.gov.uk/government/publications/gold-test-request-form"> (https://www.gov.uk/government/publications/gold-test-request-form)</a>
Mycoplasma	M.hominis and Ureaplasma spp.: PCR and/or culture	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>
Mycoplasma	Mycoplasma and ureaplasma: biochemical characterisation and molecular methods	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>
Mycoplasma	M. pneumoniae: PCR	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form)</a>
Mycoplasma	M. genitalium: molecular detection of the	<a href="https://www.gov.uk/government/publications/confirmation-tests-request-form">B7 (https://www.gov.uk/government/publications/confirmation-tests-request-form)</a>

Services	Test type MgPa	Request form
Mycoplasma	Detection of the <i>hlyE</i> gene Other species: culture, PCR and sequencing when relevant	<a href="https://www.gov.uk/government/publications/publication-and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publication-and-systemic-bacteria-section-request-form)</a>
Neisseria spp.	N.gonorrhoeae: confirmation of identification by phenotypic and molecular methods	<a href="https://www.gov.uk/government/publications/publication-confirmation-tests-request-form">B7 (https://www.gov.uk/government/publication-confirmation-tests-request-form)</a>
Neisseria spp.	Susceptibility testing for third-generation cephalosporin and azithromycin antibiotics	<a href="https://www.gov.uk/government/publications/publication-gonorrhoeae-isolate-referral-form">B2 (https://www.gov.uk/government/publication-gonorrhoeae-isolate-referral-form)</a>
Neisseria spp.	Molecular confirmation of GC NAAT result	<a href="https://www.gov.uk/government/publications/publication-gonorrhoeae-isolate-referral-form">B2 (https://www.gov.uk/government/publication-gonorrhoeae-isolate-referral-form)</a>
Neisseria spp.	Programme: Gonococcal resistance to antimicrobials surveillance programme (GRASP)	Contact AMRHAI before sending sample
Neisseria meningitidis	Culture identification, molecular epidemiological studies, PCR, serology	<a href="https://www.gov.uk/government/publications/publication-meningococcal-reference-unit-request-form">Meningococcal reference unit request form (https://www.gov.uk/government/publications-reference-unit-request-form)</a>
Nipah and Hendra viruses	PCR, isolation	<a href="https://www.gov.uk/government/publications/publication-imported-pathogens-testing-form-to-submit">P1 (https://www.gov.uk/government/publication-imported-pathogens-testing-form-to-submit)</a>
Nocardia spp.	Antimicrobial susceptibility	<a href="https://www.gov.uk/government/publications/publication-pathogens-request-form-multiple-isolates">H1 (https://www.gov.uk/government/publication-pathogens-request-form-multiple-isolates)</a> , <a href="https://www.gov.uk/government/publications/publication-pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publication-pathogens-request-form-multiple-isolates</a>

Services	Test type	Request form
Noroviruses	RT-PCR	E6 ( <a href="https://www.gov.uk/government/publications/outbreak-investigation-request-form">https://www.gov.uk/government/publications/outbreak-investigation-request-form</a> )
Noroviruses	Genotyping	E6 ( <a href="https://www.gov.uk/government/publications/outbreak-investigation-request-form">https://www.gov.uk/government/publications/outbreak-investigation-request-form</a> )
Opportunistic Pathogens	Molecular typing and antimicrobial resistance	H1 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Orf	Electron microscopy	E17 ( <a href="https://www.gov.uk/government/publications/microscopy-referral-form">https://www.gov.uk/government/publications/microscopy-referral-form</a> )
Pandoraea spp.	Molecular typing and antimicrobial resistance	H1 ( <a href="https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates">https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates</a> ), <a href="https://www.gov.uk/government/publications/pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/pathogens-request-form-single-isolate</a> )
Parainfluenza virus	Virus detection by PCR (sequencing)	Contact RVU
Parasites, intestinal protozoa and helminths, blood and tissue protozoa and helminths		Contact NPRL
Parvovirus B19	Serology (IgG and IgM)	E9 ( <a href="https://www.gov.uk/government/publications/b19-referral-form">https://www.gov.uk/government/publications/b19-referral-form</a> )
Parvovirus B19	PCR	E9 ( <a href="https://www.gov.uk/government/publications/b19-referral-form">https://www.gov.uk/government/publications/b19-referral-form</a> )
Penicillium marneffeii		Y1 ( <a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form</a> ) ( <a href="https://www.gov.uk/government/publications/mycology-and-assays-referral-form">https://www.gov.uk/government/publications/mycology-and-assays-referral-form</a> )
Plasmodium spp.		Malaria report form ( <a href="https://www.gov.uk/government/publications/malaria-report-form">https://www.gov.uk/government/publications/malaria-report-form</a> )

<b>Services</b>	<b>Test type</b>	<b>Request form</b>
Polioviruses	RT-PCR, genotyping, virus culture	<a href="#">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Polioviruses	Intratypic neutralisation	<a href="#">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
<hr/>		
Polyomavirus JC	PCR	<a href="#">E13 (https://www.gov.uk/government/publications/pol-jc-investigation-request-form)</a>
Pseudomonas spp.	Molecular typing and antimicrobial susceptibility	<a href="#">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="#">H2 (https://www.gov.uk/government/publications/healthcare-pathogens-request-form-single-isolate)</a>
PVL (see staphylococcus)		
Q fever (Coxiella burnetii)		<a href="#">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sampl)</a>
Rabies exposure	Contact rabies clerk on 020 8327 6204	
Rabies diagnosis	Contact rabies clerk on 020 8327 6204	
Ralstonia spp.	Molecular typing and antimicrobial resistance	<a href="#">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="#">H2 (https://www.gov.uk/government/publications/healthcare-pathogens-request-form-single-isolate)</a>
Respiratory syncytial virus (RSV)	Virus detection by multiplex PCR	Contact RVU
Resistance mechanisms	Molecular detection and confirmation	<a href="#">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="#">H2 (https://www.gov.uk/government/publications/healthcare-pathogens-request-form-single-isolate)</a>
Rickettsiae (typhus)		<a href="#">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sampl)</a>

and spotted fever  
groups, scrub  
typhus group)

[imported-pathogens-testing-form-to-submit-sam](#)

Rhinovirus	Virus detection by PCR	Contact RVU
Rotavirus	RT-PCR	<a href="#">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Rotavirus	VP6 and NSP4 genotyping	<a href="#">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Rubella	IgG and IgM serology for recent infection	<a href="#">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Rubella	IgG antibody status	<a href="#">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Rubella	PCR	<a href="#">E8 (https://www.gov.uk/government/publications/mumps-or-rubella-mmr-referral-form)</a>
Salmonella	Antibiotic susceptibility  testing for gram negative GI pathogens	<a href="#">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Salmonella	Identification and typing	<a href="#">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Sapovirus	RT-PCR	<a href="#">E1 (https://www.gov.uk/government/publications/virus-and-polio-investigation-referral-form)</a>
Severe acute respiratory syndrome (SARS)	See coronavirus. Contact laboratory prior to collection of specimens	<a href="#">E16 (https://www.gov.uk/government/publication/confirmatory-testing-request-form)</a>
Serratia	Molecular typing and antimicrobial resistance	<a href="#">H1 (https://www.gov.uk/government/publications/pathogens-request-form-multiple-isolates)</a> , <a href="#">H2 (https://www.gov.uk/government/publications/health-care-pathogens-request-form-single-isolate)</a>
Shigella	Antibiotic	<a href="#">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>

	susceptibility testing for gram negative GI pathogens	<a href="#">gastrointestinal-bacteria-culture-referral-form</a> )
Shigella	Identification and typing	<a href="#">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Staphylococcus	S.aureus: molecular typing	<a href="#">H3 (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-multiple-isc (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-single-isola</a>
Staphylococcus	Staphylococcus coagulase negative: species identification and molecular typing	<a href="#">H3 (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-multiple-isc (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-single-isola</a>
Staphylococcus	Antimicrobial susceptibility testing	<a href="#">H3 (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-multiple-isc (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-single-isola</a>
Staphylococcus	Resistance gene detection	<a href="#">H3 (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-multiple-isc (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-single-isola</a>
Staphylococcus	Toxin gene detection (including PVL)	<a href="#">H3 (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-multiple-isc (https://www.gov.uk/government/publications/sta-and-streptococcus-reference-service-single-isola</a>
Staphylococcus	Detection of staphylococcal enterotoxins A, B, C, D or E in foods or beverages.	Contact laboratory
Stenotrophomonas	S.maltophilia:	<a href="#">H1 (https://www.gov.uk/government/publications</a>

	molecular typing and antimicrobial resistance	<a href="#">pathogens-request-form-multiple-isolates</a> ), <a href="#">H2</a> ( <a href="https://www.gov.uk/government/publications/healthcare-pathogens-request-form-single-isolate">https://www.gov.uk/government/publications/healthcare-pathogens-request-form-single-isolate</a> )
Streptococcus	Streptococcus spp. and related genera or Gram positive cocci: identification	<a href="#">H3</a> ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates</a> ) ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate</a> )
Streptococcus	S.pyogenes (Lancefield Group A) typing	<a href="#">H3</a> ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates</a> ) ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate</a> )
Streptococcus	S.agalactiae (Lancefield Group B) typing	<a href="#">H3</a> ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates</a> ) ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate</a> )
Streptococcus	Lancefield Group C and G typing	<a href="#">H3</a> ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates</a> ) ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate</a> )
Streptococcus	S. pneumoniae: serological typing	<a href="#">R3</a> ( <a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">https://www.gov.uk/government/publications/preventable-bacteria-section-request-form</a> )
Streptococcus	Antimicrobial susceptibility	<a href="#">H3</a> ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-multiple-isolates</a> ) ( <a href="https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate">https://www.gov.uk/government/publications/streptococcus-and-streptococcus-reference-service-single-isolate</a> )
Tetanus	Tetanus immunity: serum antibodies	<a href="#">R3</a> ( <a href="https://www.gov.uk/government/publications/preventable-bacteria-section-request-form">https://www.gov.uk/government/publications/preventable-bacteria-section-request-form</a> )
Toxoplasma gondii	Isolation, identification, culture	Contact toxoplasma reference laboratory, S

	collection, serology (for active infection) molecular diagnostics by PCR	
Treponema	T. pallidum (syphilis): serological	<a href="https://www.gov.uk/government/publications/and-chancroid-referral-form">B3 (https://www.gov.uk/government/publications and-chancroid-referral-form)</a>
Treponema	T.pallidum, Haemophilus ducreyi, Herpes Simplex Virus (HSV) complex (Genital ulcer disease): PCR	<a href="https://www.gov.uk/government/publications/and-chancroid-referral-form">B3 (https://www.gov.uk/government/publications and-chancroid-referral-form)</a>
Unknown haemadsorbing agents	Virus detection by PCR	Contact RVU
Ureaplasma	Refer to mycoplasma	<a href="https://www.gov.uk/government/publications/and-systemic-bacteria-section-request-form">R1 (https://www.gov.uk/government/publications and-systemic-bacteria-section-request-form)</a>
Varicella-zoster virus (VZV)	IgG serology	<a href="https://www.gov.uk/government/publication/zoster-virus-referral-form">E11 (https://www.gov.uk/government/publication zoster-virus-referral-form)</a>
Varicella-zoster virus (VZV)	Intrathecal antibody testing	<a href="https://www.gov.uk/government/publication/antibody-test-request-form">E22 (https://www.gov.uk/government/publication antibody-test-request-form)</a>
Vibrio (including Plesiomonas shigelloides)	Antibiotic susceptibility testing for gram negative GI pathogens	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications, gastrointestinal-bacteria-culture-referral-form)</a>
Vibrio (including Plesiomonas shigelloides)	Identification and typing	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications, gastrointestinal-bacteria-culture-referral-form)</a>
Viral haemorrhagic fever (filoviridae, arenaviridae, Bunyaviridae)	Serology, PCR, isolation. Please contact lab before sending samples.	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sam">P1 (https://www.gov.uk/government/publications imported-pathogens-testing-form-to-submit-sam)</a>

## VTEC O157 (See Escherichia coli)

West Nile virus	Serology, PCR	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sam">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sam)</a>
Yeasts	Serodiagnosis	<a href="https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form">Y1 (https://www.gov.uk/government/publications/identification-and-susceptibility-testing-request-form)</a> ( <a href="https://www.gov.uk/government/publications/dia-mycology-and-assays-referral-form">https://www.gov.uk/government/publications/dia-mycology-and-assays-referral-form</a> )
Yellow fever virus	Serology, PCR	<a href="https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sam">P1 (https://www.gov.uk/government/publications/imported-pathogens-testing-form-to-submit-sam)</a>
Yersinia	Antibiotic susceptibility testing for gram negative GI pathogens	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>
Yersinia	Identification	<a href="https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form">L4 (https://www.gov.uk/government/publications/gastrointestinal-bacteria-culture-referral-form)</a>

## Packaging guidance for infectious disease samples

PHE follows the [Guidance on regulations for the transport of infectious substances 2013-2014, published by WHO](#) ([http://www.who.int/ihr/publications/who\\_hse\\_ihr\\_2012.12/en/](http://www.who.int/ihr/publications/who_hse_ihr_2012.12/en/)).

## Terms and conditions of business

Read PHE's [terms and conditions of business](https://www.gov.uk/government/publications/phe-terms-and-condition-of-business) (<https://www.gov.uk/government/publications/phe-terms-and-condition-of-business>) for all sales and provision of services.

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## Related content

[Bacteriology reference department user manual](/government/publications/bacteriology-reference-department-brd-user-manual)  
(</government/publications/bacteriology-reference-department-brd-user-manual>)

[Vaccine preventable bacteria section request form](/government/publications/vaccine-preventable-bacteria-section-request-form) (</government/publications/vaccine-preventable-bacteria-section-request-form>)

[Enteric virus and polio investigation referral form \(/government/publications/enteric-virus-and-polio-investigation-referral-form\)](/government/publications/enteric-virus-and-polio-investigation-referral-form)

[Gastrointestinal bacteria culture referral form \(/government/publications/l4-gastrointestinal-bacteria-culture-referral-form\)](/government/publications/l4-gastrointestinal-bacteria-culture-referral-form)

[Healthcare pathogens request form: multiple isolates \(/government/publications/healthcare-pathogens-request-form-multiple-isolates\)](/government/publications/healthcare-pathogens-request-form-multiple-isolates)

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