

WVU Medicine

Specimens Submitted for Microbiology Testing

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UPPER RESPIRATORY SPECIMENS

Anterior Nares



Standard Culture Swab



eSwab- Preferred collection device



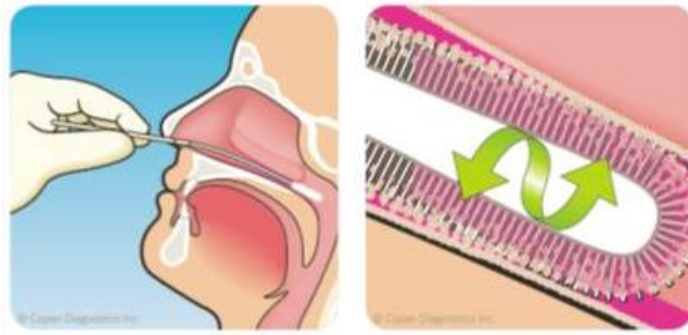
Method of Collection – Anterior nares

Test Name	Epic Number	Acceptable Specimen
MRSA SURVEILLANCE CULTURE	LAB234	nasal swab (standard or eSwab)
MRSA/MSSA CULTURE	LAB1232341	nasal swab (standard or eSwab)
MRSA PCR, Rapid	LAB1938	nasal eSwab

Nasopharyngeal Sites



BD Universal Transport Kit
(includes swab)



Method of Collection



Nasopharyngeal Aspirate Device

Test Name	Epic Number	Acceptable Specimen
RAPID INFLUENZA/RSV PCR	LAB12302168	Nasopharyngeal swabs
FLU A, B, RSV BY PCR (ROUTINE)	LAB304935	Nasopharyngeal swabs
INFLUENZA VIRUS TYPE A AND B, PCR	LAB3041050	Nasopharyngeal swabs
HUMAN METAPNEUMOVIRUS	Quest Sendout LAB3041148	Nasopharyngeal swabs or aspirates
Parainfluenza Virus (Types 1 to 4) RNA, QL RT-PCR	Quest Sendout LAB15124	Nasopharyngeal swabs or aspirates or BAL
BORDETELLA PERTUSSIS/PARAPERTUSSIS, PCR	LAB3041041	Nasopharyngeal swabs
CoVID-9 Screening, CoV-2, Flu A, B, RSV By PCR (Micro)	LAB1230890	Nasopharyngeal swabs
Extended Respiratory Virus Panel (RESPIRATORY VIRUS PANEL BY BIOFIRE FILM ARRAY)	LAB1897	Nasopharyngeal swabs
COVID, DIASORIN	LAB1230656	UTM, saline, eswab, BAL

Throat



General use Dual shaft Culture swab



eSwab



Gen-Probe Aptima Swab Collection Tube

Test Name	Epic Number	Acceptable Specimen	Comment
THROAT CULTURE, BETA HEMOLYTIC STREPTOCOCCUS	LAB236	General culture swab or eSwab	Culture for groups A, C, F and G streptococci, posterior pharynx/throat
STREPTOCOCCUS PYOGENES, PCR	LAB1237500	eSwab	Detects only Group A Streptococci
THROAT CULTURE-NEISSERIA GONORRHOEAE	LAB304868	General culture swab	Culture for Neisseria gonorrhoeae – Preferred method is by nucleic acid amplification (see below)

LOWER RESPIRATORY SPECIMENS

Sputum, tracheal aspirates, bronchial washes, BALs, etc.

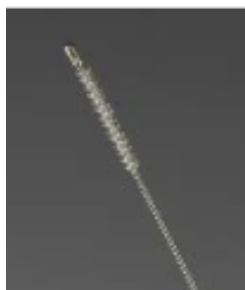
All containers labeled with contents and collection site



Trap



Sterile cup



Protected bronchial brush

Test Name	Epic Number	Acceptable Specimen
RESPIRATORY CULTURE & GRAM STAIN	LAB1230009	Tracheal aspirates, bronchial washes, sputum
Quantitative Culture/Gram Stain for BAL	LAB304845	BAL
Sterile Brush, Quantitative Culture & Gram Stain	LAB304750	Protected bronchial brush sample
CF SPUTUM CULTURE & GRAM STAIN	LAB304859	Sputum or throat swab from CF patients
PEDIATRIC EXTENDED RESPIRATORY CULTURE AND GRAM STAIN	LAB1708	Sputum or throat swab from pediatric patients with immunosuppression and/or chronic lung diseases
Mycobacterium tuberculosis Complex, Molecular Detection, PCR	LAB123475	Sputum or BAL
Fungus Culture	LAB240	Sputum or BAL
AFB (Mycobacterial) Culture and Stain	LAB304905	Sputum or BAL

STERILE FLUIDS and ASPIRATED SPECIMENS (Non-Tissue)

Cerebrospinal Fluid (CSF)

Specify whether sample is from ventricles or lumbar puncture



CSF Fluid Tubes



Red top Vacutainer Tube

CSF CULTURE (INCLUDES GRAM STAIN)	LAB268	
INDIA INK FOR CRYPTOCOCCUS	LAB3041156	
FUNGUS CULTURE	LAB240	
STREPTOCOCCUS PNEUMONIAE ANTIGEN -CSF	LAB304860	Must also order CSF culture (LAB268)
CRYPTOCOCCAL ANTIGEN	LAB304790	Must also order fungal culture (LAB240)
HSV1/ HSV2, PCR, CSF, SWAB	LAB1792	
VARICELLA ZOSTER VIRUS (VZV), PCR, CSF	LAB1793	

MYCOBACTERIAL & MYCOLOGY BLOOD SPECIMENS

FUNGAL BLOOD CULTURE, MOLD – Mayo Medical Laboratories Send out	LAB1237028	Green Top (Sodium or lithium heparin) 4 mL
AFB (MYCOBACTERIAL) BLOOD CULTURE – Mayo Medical Laboratories Sent out	LAB1237015	Green Top (Sodium or lithium heparin) 8 to 10 mL

Pleural, pericardial, peritoneal, synovial fluids; Aspirates of abscesses or cysts

All containers labeled with contents and collection site



Syringe chamber, capped with needles removed



Sterile cup



Evacuated Container



BacT Alert Blood bottles
(peritoneal and joint fluids ONLY)

STERILE SITE CULTURE AND GRAM STAIN AEROBIC	LAB1230008	Specimens collected from normally sterile site, EXCLUDING CSF and urine (see separate tests/collection devices for these)
STERILE FLUID (IN BLOOD CULTURE BOTTLES) – Always send separate sterile container with fluid for GRAM stain	LAB304844	5-10mL of synovial or peritoneal fluid inoculated into aerobic (green) and anaerobic (orange) blood culture bottles. If <5mL volume, use pediatric (yellow) bottle
STERILE FLUID (IN 1 BLOOD CULTURE BOTTLE) - Always send separate sterile container with fluid for GRAM stain	LAB304843	5-10mL of synovial or peritoneal fluid inoculated into aerobic (green) blood culture bottle. If <5mL volume, use pediatric (yellow) bottle.
ANAEROBIC CULTURE	LAB233	Sterile container. Test will be automatically added to tissues and aspirates meeting specific transport criteria.
PROSTHETIC JOINT CULTURE	LAB1833	Synovial fluid or peri-prosthetic tissue (includes anaerobic culture)

Sterile Sites – Tissue (Non-OR)

Resected tissue, biopsies, curretage material or scrapings, etc.

All containers labeled with contents and collection site



Sterile cup

TISSUE CULTURE & GRAM STAIN	LAB271	Resected tissue or biopsy in sterile container. May moisten with sterile saline and/or gauze for small specimens.
ANAEROBE CULTURE	LAB233	Test will be automatically added to tissues and aspirates meeting specific transport criteria.
AFB (MYCBACTERIAL) CULTURE & STAIN	LAB304905	
FUNGUS CULTURE	LAB240	

URINE SPECIMENS



Sterile urine cup (In-patients)



Gray-top Vacutainer (Out-patients)

URINE CULTURE, ROUTINE	LAB239	Urine
URINALYSIS WITH CULTURE REFLEX	LAB1230154	Urine
URINE CULTURE (PEDIATRIC/NEUTROPENIC/NEPHROLOGY)	LAB304950	Urine
URINE CULTURE (OUTPATIENTS ONLY)	LAB304938	Urine
NEPHROSTOMY CULTURE	LAB304831	Urine - Labeled "Nephrostomy"
LEGIONELLA URINE ANTIGEN	LAB304824	Urine
STREPTOCOCCUS PNEUMONIAE, URINE AG	LAB304861	Urine

GENITAL SPECIMENS

Cervical, vaginal, urethral, etc.

Swabs **MUST** be labeled with the collection site

Consider decontamination of commensal organisms prior to swabbing



General use culture swab



Abbott Multi-collect Device (urine or enclosed swab)



BD Universal Transport Kit
(includes swab)



Swab in Sterile Saline
(Wet Mounts)



M4 Transport Media



BD E-swab



Abbott Multi-collect Device (urine or enclosed swab)



APTIMA Multitest Swab Collection vial.

GROUP B Streptococcus (GBS), PCR	LAB1230003	Anal/Vaginal General culture swab. For antenatal colonization assessment.
GROUP B Streptococcus (GBS), PCR, with Reflex to Susceptibility Testing	LAB12300031	Anal/Vaginal General culture swab. For women with penicillin allergy only.
CHLAMYDIA TRACHOMATIS / NEISSERIA GONORRHOEAE RNA, NAAT	LAB123303	Aptima Multi Test Swab / Aptima Unisex Swab Collection Vial
CHLAMYDIA TRACHOMATIS RNA, NAAT	LAB123300	Aptima Multi Test Swab / Aptima Unisex Swab Collection Vial
NEISSERIA GONORRHEA RNA, NAAT	LAB123301	Aptima Multi Test Swab / Aptima Unisex Swab Collection Vial
GENITAL CULTURE	LAB465	General culture swab or eSwab
HSV1/ HSV2, PCR, CSF or SWAB	LAB1792	General culture swab, or BD Universal Transport kit
Ureaplasma species, PCR	LAB304707	APTIMA Multitest Swab Collection Vial
Mycoplasma genitalium, PCR	LAB1237065	APTIMA Multitest Swab Collection Vial
Mycoplasma hominis, PCR	LAB1237072	APTIMA Multitest Swab Collection Vial
VAGINITIS PATHOGEN DNA Panel by PCR	LAB1231402	APTIMA Multitest Swab Collection Vial

Vaginal Wet Mount	LAB252	Swab in Sterile saline
FUNGAL CULTURE	LAB240	General culture swab or BD E-swab

MISCELLANEOUS SPECIMENS

Wounds, superficial skin/mucosal sites, orifices, and other specimens not amenable to biopsy/resection

Requires decontamination prior to swabbing



BD E-swab*



General use culture swab (single or double*)

Wound, Superficial/Non-sterile site, Culture and Gram stain	LAB503	Swab MUST BE labeled with the collection site *Grams stain requires E-swab or double swab
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If anaerobic culture is indicated*:



BD E-swab

Anaerobic Culture	LAB233	Specific site of location
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*The following sites are NOT accepted for anaerobic culture: **Call laboratory (7-4234) or medical director (7-4802) for questions or exceptions.**

- Expecterated sputum
- Throat/Nasopharyngeal swabs
- Nasotracheal or endotracheal suction
- Bronchial washing or other respiratory specimens
- Gingival or any other oral surface swabs
- Vaginal or cervical swabs
- Pilonidal sinuses, and other sinus tracts
- Gastric, small or large bowel contents, including ileostomy or colostomy effluents or feces
- Voided or catheterized urine
- Vaginal or cervical swabs
- Surface swabs from decubitus ulcers, perirectal abscesses, foot ulcers, exposed wounds, eschars, sinus tracts
- Superficial gangrenous lesions

STOOL



SAF (yellow) and Carey Blair (Orange)
Para-Paks
Outpatients



Wide-mouth leak-proof container
Inpatients

GI Panel by Biofire FilmArray	LAB1231416	Outpatients - Carey Blair Transport (Orange Cap) Inpatients - Fresh stool in a sterile container or Carey Blair
Norovirus Detection PCR	LAB1230999	Fresh stool in a sterile container.
Routine Stool Culture (includes Shiga-toxin testing)	LAB304849	Outpatients - Carey Blair Transport (Orange Cap) Inpatients - Fresh stool in a sterile container or Carey Blair
Clostridium Difficile Toxin Detection	LAB253	Fresh stool in a sterile container
Ova and Parasite Screen	LAB258	Outpatients – SAF (Yellow Cap) Inpatients - Fresh stool in a leak-proof container or SAF
Giardia/Cryptosporidium	LAB259	Outpatients – SAF (Yellow Cap) Inpatients - Fresh stool in a leak-proof container or SAF
Fecal Lactoferrin	LAB1752	Fresh stool in a leak-proof container

RECTAL or THROAT SWAB



Aptima Multi Test Swab Collection Tube

CHLAMYDIA TRACHOMATIS / NEISSERIA GONORRHOEAE RNA, NAAT	LAB123303	Aptima Multi Test Swab	Can be used for throat, rectal and vaginal orders
CHLAMYDIA TRACHOMATIS RNA, NAAT	LAB123300	Aptima Multi Test Swab	Can be used for throat, rectal and vaginal orders
NEISSERIA GONORRHEA RNA, NAAT	LAB123301	Aptima Multi Test Swab	Can be used for throat, rectal and vaginal orders

Operating Rooms

Preferred Specimen Type: Resected tissue in a sterile container or Fluid/aspirate in sterile tube or syringe chamber

Acceptable Specimen Type: E-swab



Sterile Container



Sterile Tube



Syringe chamber

(capped with needle removed)



E-swab

Test Name	Epic Number	Acceptable Specimen	Comment
OR CULTURE (AEROBIC AND GRAM STAIN)	LAB304710	Tissue/ fluid in sterile container, or E-swab	Does NOT include anaerobic culture
TISSUE CULT (AEROBIC CULT & GRAM STAIN)	LAB271	Resected tissue in sterile container	Does NOT include anaerobic culture
ANAEROBIC CULTURE	LAB233	Tissue/fluid in sterile container, or E-swab	Test will be automatically added to tissues and aspirates meeting specific transport criteria.
FUNGUS CULTURE (OTHER)	LAB240	Tissue/fluid in sterile container, or E-swab	If E-swab submitted: (1) must be dedicated for fungal culture (2) mold recovery is compromised
AFB CULTURE WITH STAIN (MYCOBACTERIUM CULTURE)	LAB304905	Tissue/fluid in sterile container	Swabs are NOT accepted for AFB culture
Prosthetic Joint Culture	LAB1833	Tissue/fluid in sterile container, or Explanted hardware	Reserved for orthopedic surgery – INCLUDES OR CULTURE & ANAEROBIC CULTURE.

Unacceptable Specimen Type: All other swab types



Standard culture swab (single)



Standard culture swab (double)



Wooden shaft swab