

# WVU Medicine

## Specimens Submitted for Microbiology Testing

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## UPPER RESPIRATORY SPECIMENS

### Anterior Nares



General use Culture swab



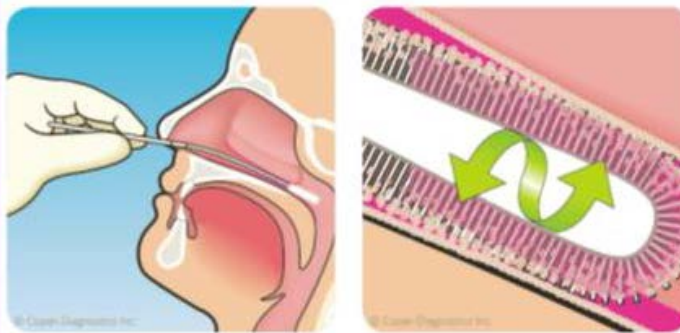
Method of Collection

Test Name	Epic Number	Acceptable Specimen
STAPHYLOCOCCUS SURVEILLANCE CULTURE	LAB234	nasal swab
MRSA COLONIZATION SCREEN, PCR	LAB304925	nasal swab

## 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 or aspirates
INFLUENZA VIRUS TYPE A AND B, PCR	LAB3041050	Nasopharyngeal swabs or aspirates
HUMAN METAPNEUMOVIRUS	LAB3041230	Nasopharyngeal swabs or aspirates
PARAINFLUENZA VIRUS 1,2,3 RNA QL	LAB3041231	Nasopharyngeal swabs or aspirates
BORDETELLA PERTUSSIS/PARAPERTUSSIS, PCR	LAB3041041	Nasopharyngeal swabs
RESPIRATORY VIRUS PANEL BY BIOFIRE FILM ARRAY	LAB1897	Nasopharyngeal swabs

# Throat



General use Culture swab



Polyester-tip Swab (rapid antigen testing only)



Gen-Probe Aptima Swab Collection Tube

Test Name	Epic Number	Acceptable Specimen	Comment
THROAT CULTURE, BETA HEMOLYTIC STREPTOCOCCUS	LAB236	General culture swab	Culture for groups A, C, F and G streptococci, posterior pharynx/throat
RAPID THROAT SCREEN, STREPTOCOCCUS, WITH CULTURE REFLEX	LAB304869	General culture swab or polyester-tip swab	Group A Antigen Test. If negative, automatically reflexes to culture for beta hemolytic streptococci
THROAT CULTURE-GC	LAB304868	General culture swab	Culture for Neisseria gonorrhoeae – Preferred method is by nucleic acid amplification (see below)
<i>Chlamydia trachomati</i> by Nucleic Acid Amplification (GEN-PROBE)	LAB1682	Aptima Swab Collection Tube	Test used for any NON-genital sources (e.g. throat, eye)
<i>Neisseria gonorrhoeae</i> by Nucleic Acid Amplification (GEN-PROBE)	LAB1683	Aptima Swab Collection Tube	Test used for all NON-genital sources (e.g. throat, eye)

## LOWER RESPIRATORY SPECIMENS

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

All containers labeled with contents and collection site



Trap



Sterile cup

Test Name	Epic Number	Acceptable Specimen
RESPIRATORY CULTURE & GRAM STAIN	LAB1230009	Tracheal aspirates, bronchial washes, sputum
Quantitative Culture/Gram Stain for BAL	LAB304845	BAL, protected specimen brush
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
FLU A, B, RSV BY PCR	LAB304935	BALs only
INFLUENZA VIRUS TYPE A AND B, PCR	LAB3041050	BALs only
HUMAN METAPNEUMOVIRUS	LAB3041230	BALs only
PARAINFLUENZA VIRUS 1,2,3 RNA QL	LAB3041231	BALs only
Mycobacterium tuberculosis Complex, Molecular Detection, PCR	LAB304247	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)
ENTEROVIRUS, PCR(CSF)	LAB1679	
HSV1/ HSV2, PCR, CSF, SWAB	LAB1792	
VARICELLA ZOSTER VIRUS (VZV), PCR, CSF	LAB1793	

## 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)	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)	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)

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. <b>For women with penicillin allergy only.</b>
NEISSERIA GONORRHOEAE DNA BY PCR	LAB304200	Abbott Multi-collect Device <b>MUST</b> be used for urine or genital collections <b>NOT USED FOR Pharyngeal/Rectal Sources</b>
CHLAMYDIA TRACHOMITIS DNA BY PCR	LAB304175	
GENITAL CULTURE	LAB465	General culture swab
HSV1/ HSV2, PCR, CSF or SWAB	LAB1792	General culture swab, or BD Universal Transport kit
Ureaplasma species, PCR	LAB304707	BD E-swab
Mycoplasma genitalium, PCR	LAB1237065	BD E-swab
Mycoplasma hominis, PCR	LAB1237072	BD E-swab
SureSwab Vaginosis/Vaginitis	LAB1237078	Aptima Swab Collection Tube
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 <b>*Grams stain requires E-swab or double swab</b>
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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.**

- Expectorated 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**

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
Rotavirus	LAB264	Fresh stool in a leak-proof container
Fecal WBCs	LAB265	Fresh stool in a leak-proof container
Fecal Lactoferrin	LAB1752	Fresh stool in a leak-proof container
Norovirus RNA, RT-PCR	LAB1611	Fresh stool in a leak-proof container

## RECTAL SWAB



Gen-Probe Aptima Swab Collection Tube

<i>Chlamydia trachomatis</i> , Rectal, Nucleic Acid Amplification (GEN-PROBE)	LAB1940	Molecular amplification test for <i>C. trachomatis</i> on rectal swab
<i>Neisseria gonorrhoea</i> , Rectal, Nucleic Acid Amplification (GEN-PROBE)	LAB1941	Molecular amplification test for <i>N. gonorrhoea</i> on rectal swab

## 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	
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

**Unacceptable Specimen Type:** All other swab types



Standard culture swab (single)



Standard culture swab (double)



Wooden shaft swab