CURNESS Contraction Contractio	Policy # QPCMI02001	Page 1 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp	ecimen
Prepared by QA Committee	Collection	
Issued by: Laboratory Manager	Revision Date:9/23/2024	
Approved by Laboratory Director:	Next Review Date:9/23/2026	
Microbiologist-in-Chief		

Uncontrolled When Printed

TABLE OF CONTENTS

INTRODUCTION	. 5
Samples should NOT be used for any other purpose than clinical requested tests.	. 5
Specimen Labelling	. 5
BLOOD CULTURE	. 6
Isolator 10 – Blood Culture System for Dimorphic Fungi	. 8
ENTERIC SPECIMENS.	. 8
Faeces/Rectal Swabs	. 8
Rectal/Large Bowel (Colon) Biopsies	. 9
Duodenal or Small Bowel Aspirate / Swab / Biopsy	. 9
GENITAL SPECIMENS	. 9
Cervical Swabs	. 9
Group B Streptococcus Screen	. 9
Vaginal Swab for Vaginitis/Vaginosis Screen	. 9
Vaginal Swab for Culture	10
Vaginal Swab for Chlamydia / GC	10
Vaginal swab for cases of sexual abuse/ toxic shock / children	10
Urethral Swab	10
Penis Swab	10
Seminal Fluid	10
Endometrial Swabs, Biopsies and Curettings, Placenta Swab/Tissue,	10
Products of Conception, Endometrial/Uterine, Cul de sac/Transvaginal,	10
Fallopian Tube, Tubo-Ovarian Swabs or Aspirates	10
Genital Ulcer Swab	11
Intra-Uterine Device	11
INFECTION CONTROL SCREENING SPECIMENS	12
Methicillin Resistant Staphylococcus aureus (MRSA) Screen	12
Vancomycin Resistant Enterococcus (VRE) Screen	12
ESBL and Carbapenemase Screen	12
Resistant Gram Negative Bacilli	12
Klebsiella oxytoca or Klebsiella pneumonia Screen	12
Resistant Pseudomonas aeruginosa Screen	12
Group A Streptococcus Screen	13
MOLECULAR DIAGNOSTICS SPECIMENS	13
MYCOLOGY SPECIMENS	14
UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY	

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 2 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

RESPIRATORY SPECIMENS	15
Bronchoalveolar Lavage (BAL), Bronchoscopy Aspirates/Washings – Routine	15
CMV Surveillance Bronchoscopy Specimens.	15
Bronchial Brush Specimens	15
Epiglottal Swabs	15
Open Lung/Transthoracic Needle/Transbronchial Lung Bionsies/Lung Aspirates	15
Mouth Swahs	16
Nasal Swabs	16
Nasonharvngeal Swabs/Auger Suctions for Bordetella pertussis	16
Oral Abscess Swabs	10
Sinus/Antral Specimens	10
Snuts/Annal Specificity and Trachastomy Specifications	10
Threat Swaha	10
Costria Agrinatas/Diagoias	1 /
Gastric Aspirates/Biopsies	17
Gastric Aspirates/Biopsies for Helicobacter Pylori	17
SEROLOGY SPECIMENS	17
STERILE BODY FLUID SPECIMENS	17
Cerebrospinal Fluids	17
Other Sterile Fluids - Amniotic, Pleural (Thoracentesis/Empyema), Peritoneal (Ascites), Syn	iovial
(Joint), Pericardial, Tympanocentesis, Intraocular, Hydrocele Fluids etc	18
Peritoneal Dialysis Effluent	18
Predialysis Fluid	18
Amniotic Fluids	18
Bone Marrow (Aspirates or Biopsies)	18
Blood Platelets and Other Transfusion Products	19
STERILITY SPECIMENS.	19
Microhial Enumeration (Biohurden) Samples	10
BIOLOGICAL SPECIMENS:	20
Bone Bank Specimens	
Bone Bank Specimens - Fresh Osteochandral Allograft	20
Cardiovascular Lab Specimens (Dog)	20
Medicinal Leech Testing	20
Tissue Cultures Specimens for Injection	20
NON-BIOLOGICAL SPECIMENS:	21
Air Sampling by Air Flow Sampling Apparatus	21
Attest	21
Contact Lens & Solution	21 21
Distilled/De-Ionized Water Sterility	21
Endoscope Surveillance Swabs	21
Environmental Monitoring	22
Hemodialysis Water Sterility	23
UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY	

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use. Management System\UHN_Mount Sinai Hospital Microbiology\Quality Manual Policies and Procedures\Process Control\

CUEN Internet in Mount Single Mospital	Policy # QPCMI02001	Page 3 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

Miscellaneous Non-biological Samples	23
Product Sterility – Compendial method.	
Product Sterility – Rapid BacT/Alert Method	
URINE SPECIMENS	
Voided Urines:	30
In and Out Catheter / Catheter Insertion Urine	
Aseptically Collected Urines	
Segmented Urines	
Special Requests	
WOUND/TISSUE/ASPIRATE SPECIMENS	
SWABS AND DRAINAGE SPECIMENS:	
Intraoperative/Interventionial Swabs	34
Wound/Abscess Swabs and Drainage	34
Bite Wound Swabs	
Intravenous & Central Line Catheter Exit Site Swabs	34
ABSCESS SPECIMENS (Not Swabs):	34
Intraoperative/Interventionial Abscess (Pus/Cyst Fluid or Aspirate)	34
Pus & Abscess Material (other than Intraoperative/Interventional, Rectal or Bartholin	
Rectal Abscess	
TIGGLIES DEOSTLIETIC DEVICES AND AUTORSY SPECIMENS.	
Tissues, PROSTHETIC DEVICES, AND AUTOPST SPECIFIENS:	
Skin Biopsies	
Transplant - Bone Graft & Cadaver Fascia/Tissue/ Swab Specimens/Donor Amniotic Fluid/Memb	rane: Donor
Corneal Ring Material	
Prosthetic Devices (e.g. Pacemaker Wire, Dacron Graft, Prosthetic Valve)	
Autopsy Specimens	36
CATHETER SPECIMENS:	
Intravascular Catheter Tips	
Peritoneal Dialysis Catheter/Canula	
BILE SPECIMENS:	
Bile and Bile Stents	
MISCELLANEOUS FLUID SPECIMENS:	37
Breast Milk	37
Total Parental Nutrition (TPN)	
EAR SPECIMENS	37
Ear Swab	
Tympanocentesis Fluid	
EYE SPECIMENS	
Eye / Conjunctival / Lid Swabs	
Eye / Corneal Scrapings	
Initiaocular Aspirates	

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CURNER W Mount Single Mount S	Policy # QPCMI02001	Page 4 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

FACIAL SPECIMENS	. 40
Facial Swabs	40
Record of Edited Revisions	. 41
Specimen Rejection Criteria QPCMI06001	

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN In the State of Mount Single Mount Sing	Policy # QPCMI02001	Page 5 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

INTRODUCTION

The validity and accuracy of laboratory test results are dependent upon the quality to the specimen and its careful collection.

Using the collection guidelines, ensure proper sample collection by:

- proper collection site / collection technique
- Correct media/container used
- In-date (not expired) transport media used
- Tightly sealed container (no external spillage)

See Specimen Rejection Criteria QPCMI06001 for sample rejection criteria

Samples should NOT be used for any other purpose than clinical requested tests.

Specimen Labelling

Criteria exist for proper primary sample labelling to ensure optimal specimen processing within the laboratory.

1. All primary specimen containers must be labelled with at least two patient-specific identifiers.

This is inclusive of patient name, date of birth, hospital number, unique other number, accession number.

- 2. For specimens were site of origin is critical to analysis, it must be clearly identified on the container and/or requisition and be linkable together.
- 3. Labels should be placed lengthwise and not wrapped around the containers to permit barcodes to be easily scanned.



UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN In the State of Mount Single Mount Sing	Policy # QPCMI02001	Page 6 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

See <u>Specimen Rejection Criteria QPCMI06001</u> for sample rejection criteria for mislabelled / unlabelled samples.

BLOOD CULTURE

A set of blood cultures consists of two Blood culture bottles, one for aerobic and the other for anaerobic culture taken from a single venipuncture site. For infants, a single aerobic pediatric bottle is required.

NOTE: Timing of the collection of blood culture in relation to maximal temperature (fever spike) has not been found to be important in the yield of positive blood culture during a septic episode. Blood culture collection prior to administration of antimicrobials is essential for optimal organism recovery.

Blood collection and transport:

- (1) Draw each set of blood cultures (i.e. aerobic and anaerobic bottles) from a separate venipuncture site.
- (2) Clean over the proposed site (an area with a diameter of about 5cm) using 2% chlorhexidine with 70% alcohol swabs for 30 sec and allow the site to air dry (usually about 10 sec). Be sure not to palpate or touch the cleaned proposed site with non-sterile gloves after cleaning it.
- (3) Remove the protective plastic cap from each bottle and disinfect the rubber septum with 70% alcohol for 10 sec and allow it to air dry before proceeding.
- (4) Collect blood using a syringe to assure that the appropriate volume is collected.
- (5) For adults, collect 20 mL of blood for each blood culture draw. Expel all air from the syringe and aseptically inject 10 mL into the aerobic bottle and 10 mL in the anaerobic bottle. Do not overfill the bottles.

For pediatric patients, collect the following volume per each blood culture draw:

- <1kg (<2 lbs): 1-2 mL of blood
- 1-2 kg (2-4 lbs): 2-3 mL of blood
- 2-13 kg (5-30 lbs): 3-4 mL of blood
- A13-36 kg (30-80 lbs): 5-8 mL of blood

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN	Policy # QPCMI02001	Page 7 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

- >36 kg (>80 lbs): 16-20 mL of blood
- (6) For volumes 1-4 mL, expel all air from the syringe and aseptically inject the volume into a Pediatric bottle.

For volumes 5-8 mL, expel all air from the syringe and aseptically inject the volume split evenly between 2 Pediatric bottles.

For volumes 16-20 ml, expel all air from the syringe and aseptically inject 8-10 mL into the the aerobic bottle and 8-10 mL in anaerobic bottle. Do not overfill the bottles.

- (7) Transport specimens to the laboratory as soon as possible and incubate at 35°C until loaded onto the BacT/Alert machine. <u>NB</u>: If a delay in transport or processing is anticipated, DO NOT refrigerate the bottles leave them at room temperature.
- (8) Special Requests:
 - i. Subacute Bacterial Endocarditis/Infective Endocarditis (SBE/IE) and Pyrexia of Unknown Origin/Fever of Unknown Origin (PUO / FUO) Collect blood in BacT/Alert blood culture bottles.
 - ii. **Bone Bank Blood** Collect blood in BacT/Alert blood culture bottles.
 - iii. Fungus and Yeast

Collect blood in BacT/Alert blood culture bottles.

iv. Dimorphic Fungi (e.g. Histoplasma, Blastomyces and Cryptococcus) Collect blood into the Isolator 10 microbial tubes and NOT in BacT/Alert bottles. Process specimen as outlined in ISOLATER 10 BLOOD CULTURE SYSTEM FOR DIMORPHIC FUNGI Procedure. If a delay in processing is anticipated, hold tubes at room temperature for up to 24 hours and process as soon as possible.

If BacT/Alert bottles are received with a request for dimorphic fungi or cryptococcus, **notify the ward/physician** that they must use the Isolator 10 collection tubes. Process the BacT/Alert bottles as per routine blood cultures.

v. Brucella

Collect blood in BacT/Alert blood culture bottles. Label bottle as "Brucella".

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CURNER Mount Sinel Mount Sinel	Policy # QPCMI02001	Page 8 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

vi. Sterile body fluids

Collect sterile body fluid in a clean, sterile container. If collection of sterile body fluids in BacT/Alert bottles is desired, collect the specimen in BacT/Alert bottles. In the LIS, add "fluid in BC Bottle" test to the order/entry screen (see Handling of Sterile Body Fluids in Blood Culture Bottles).

vii. Bone marrow (Sterility testing)

Collect Bone marrow a clean, sterile container. If collection of sterile body fluids in BacT/Alert bottles is desired, collect the specimen in BacT/Alert bottles. In the LIS, add "fluid in BC Bottle" test to the order/entry screen (see Handling of Sterile Body Fluids in Blood Culture Bottles). For Bone marrow received in a sterile container **DO NOT** inoculate it into BacT/Alert bottles.

Isolator 10 – Blood Culture System for Dimorphic Fungi

With aseptic technique, collect 10 mL of blood into a clean, sterile syringe. Transfer the blood into an Isolator 10 microbial tube. Transport to the laboratory immediately for processing. If a delay in transport or processing is anticipated, the tubes can be held for 24 hours at room temperature.

ENTERIC SPECIMENS

Faeces/Rectal Swabs

Collect a single stool specimen in Copan Fecal Swab (Cary-Blair transport medium may be used if Copan Fecal Swab is not available) and transport it to the laboratory for culture and sensitivity. When faeces cannot be obtained, a rectal swab is acceptable **except** for *Clostridium difficile* toxin assay. Collect the specimen with a sterile swab inserted approximately one inch beyond the anal sphincter and place it in Amies transport medium.

Collect Stool specimens for C. difficile toxin assay in a clean, sterile container.

If Campylobacter other than *C. jejuni/coli* is required, collect the specimen in a clean, sterile container and the specimen will be forwarded to the Provincial Health Laboratory for testing.

Collect rectal swab for GC with a sterile swab place it in Amies transport medium.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

NOTE: This document is Uncontrolled When Printed.

CUHN Internet of Microbiology	Policy # QPCMI02001	Page 9 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Collect specimens for Chlamydia detection or virus isolation in viral transport media.

Collect specimen for ova and parasites (O&P) in SAF transport medium. Collect directly into an appropriate preservative. Contamination with water or urine must be avoided.

Rectal/Large Bowel (Colon) Biopsies

Collect specimen via a colonoscope or sigmoidoscope and transport in a clean sterile container with a small amount of sterile saline or sterile water or viral transport media. If a delay in transport or processing is anticipated, keep the specimen at 4° C.

Duodenal or Small Bowel Aspirate / Swab / Biopsy

Aspirates should be collected and transported in a syringe (needle removed) or a clean, sterile container. Biopsy specimens should be collected and transported in a clean, sterile container. Duodenal swabs should be transported in Eswab Amies transport medium. Transport specimen, needle removed if syringe is used, to the Microbiology Laboratory ASAP. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

GENITAL SPECIMENS

Cervical Swabs

Collect specimen for GC from the endocervical canal using a clean, sterile swab and transport the swab in Amies transport medium. If there is a delay in transport, store the swab at room temperature.

Collect specimen for GC/Chlamydia in a Cobas PCR swab Container.

Group B Streptococcus Screen

A swab obtained from the combined introital (vaginal) and anorectal areas should be collected in Amies transport medium. Cervical and vaginal swabs are not recommended for this type of culture but will be processed if received in the laboratory.

Vaginal Swab for Vaginitis/Vaginosis Screen

Collect swabs from the posterior vaginal vault or vaginal orifice and transport the swab in Amies transport medium. Specimen should be transported to the laboratory as soon as possible. The yield of wet mount for *Trichomonas vaginalis* is significantly diminished if slides are not examined within 15 minutes of collection.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN The first the Mount Sinal Mospital	Policy # QPCMI02001	Page 10 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Vaginal Swab for Culture

Collect swabs from the posterior vaginal vault or vaginal orifice and transport the swab in Amies transport medium. Specimen should be transported to the laboratory as soon as possible.

Vaginal swabs are not recommended for GC culture. However, if specifically requested, GC cultures will be set up.

Vaginal Swab for Chlamydia / GC

Collect specimen for GC/Chlamydia PCR in a Cobas PCR swab Container.

Vaginal swab for cases of sexual abuse/ toxic shock / children

Collect swabs from the posterior vaginal vault or vaginal orifice and transport the swab in Amies transport medium.

Urethral Swab

Exudate from the urethra should be collected using a clean, sterile swab and transported in Amies transport medium.

For Chlamydia trachomatis, collect in Viral Transport media.

Penis Swab

Penile swabs should be transported in Amies transport medium.

Seminal Fluid

The periurethral area and hands should be washed and urine should be passed immediately before seminal fluid collection. Using as much of an aseptic technique as possible, seminal fluid should be collected by masturbation directly into a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at room temperature until processing.

Collect specimen for GC/Chlamydia PCR in a Cobas PCR swab Container.

Endometrial Swabs, Biopsies and Curettings, Placenta Swab/Tissue, Products of Conception, Endometrial/Uterine, Cul de sac/Transvaginal, Fallopian Tube, Tubo-Ovarian Swabs or Aspirates

Collect scrapings and small tissue samples, aspirates or swabs aseptically, avoiding lower genital tract contamination, and transport the sample in sterile saline and an anaerobic container.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 11 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Genital Ulcer Swab

Refer to Ministry of Health Specimen Collection Guide

Intra-Uterine Device

Collect and transport IUD in a dry, sterile container.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use. Management System\UHN_Mount Sinai Hospital Microbiology\Quality Manual Policies and Procedures\Process Control\

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 12 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

INFECTION CONTROL SCREENING SPECIMENS

Methicillin Resistant Staphylococcus aureus (MRSA) Screen

Moisten a sterile swab and rotate inside/over each site to be sampled. Place the swab in Amies transport medium. If a delay in transport or processing is anticipated, keep the swab at 4° C.

Vancomycin Resistant Enterococcus (VRE) Screen

Rotate a sterile swab in the rectum or other site of suspected VRE carriage. Place the swab in Amies transport medium for transport. If a delay in transport or processing is anticipated, keep the swab at 4°C.

ESBL and Carbapenemase Screen

Rotate a sterile swab from site suspected of ESBL/Carbepenemase. Place swab in Amies transport medium. If a delay in transport or processing is anticipated, keep the specimens at 4° C.

Resistant Gram Negative Bacilli

Any specimen may be submitted, although rectal swabs and environmental are the most common. Rotate a swab inside/over the suspected site. Swabs should be transported in Amies transport medium. If a delay in transport or processing is anticipated, the swabs should be kept at 4° C.

Klebsiella oxytoca or Klebsiella pneumonia Screen

Any specimen may be submitted, although rectal swabs are the most common. Rotate a sterile swab in the rectum or other site. Place the swab in Amies transport medium for transport. If a delay in transport or processing is anticipated, the swabs should be kept at 4°C.

Resistant Pseudomonas aeruginosa Screen

Specimens suitable for culture are: Water samples

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Restart Mount Sinal Mount	Policy # QPCMI02001	Page 13 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

Environmental samples Patient pharmaceutical infusates/injectables Swabs from patients

Specimens are to be collected by Infection Control Practitioners

Specimen	Collection
Water	Fill up a 50 mL Sterile Falcon Centrifuge tube
Environmental Swabs	Swab the area and place the swab into a tube containing 2
	mL of BHI broth
Patient pharmaceutical	Send the original vial
infusates/injectables	
Soaps/creams/thick	Collect the sample with a sterile swab and place the swab
fluids	into a tube containing 2 mL of BHI broth
Swabs of patients	Swab the desired area and place the swab into Amies
	transport medium.

Transport specimen at room temperature. If a delay in transport or processing is anticipated, keep the specimens at 4°C.

Group A Streptococcus Screen

Rotate a sterile swab in of suspected GAS site, most commonly from the throat, rectum or wound site. Place the swab in Amies transport medium. If a delay in transport or processing is anticipated, keep the swab at 4°C.

MOLECULAR DIAGNOSTICS SPECIMENS

Refer to the for Specimen collection information.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Hand Start Mount Single Mo	Policy # QPCMI02001	Page 14 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

MYCOLOGY SPECIMENS

Specimens should be collected and transported in a properly labelled, sealed, sterile container. For proper collection and transport of all specimens refer to the appropriate sections of this manual. For cutaneous and skin structure specimens see below.

Cutaneous Specimens:

Specimens of hair, nail and skin scrapings may be placed in the folded black paper found in the Public Health Lab "FUNGUS" mailing container. Alternatively, specimens may also be transported in a dry sterile container or sealed paper envelope.

Process proficiency and any special request: include processing in mycology. Provide labels and media.

Instructions for collecting cutaneous specimens:

The areas to be sampled should be wiped with 70% alcohol to remove surface bacterial contaminants.

Skin: Skin lesions should be sampled from the erythematous, peripheral, actively growing margins of typical "ringworm" infections. Skin scales may be flaked off using a surgical blade.

Nail: Scrape away the superficial portions with the side of a surgical blade before collecting a deeper sample.

Hair: Infected hairs can be plucked with surgical forceps.

If a delay in transport or processing is anticipated, store all specimens except CSF, hair, skin and nails at 4°C. CSF, hair, skin and nail specimens should be kept at room temperature.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN The first the Mount Sinal Mospital	Policy # QPCMI02001	Page 15 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

RESPIRATORY SPECIMENS

Bronchoalveolar Lavage (BAL), Bronchoscopy Aspirates/Washings - Routine

Collect approximately 15-30 mL of fluid and transport it to the laboratory in a clean, sterile container. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

CMV Surveillance Bronchoscopy Specimens

Collect approximately 15-30 mL of fluid and transport it to the laboratory in a clean, sterile container. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Bronchial Brush Specimens

The protected brush-catheter is placed into a screw capped (bijou) bottle containing 1 mL of Ringer's Lactate. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

Epiglottal Swabs

Collect epiglottal swab with a clean, sterile swab and swabbing the cartilaginous structure that overhangs the larynx. Submit the swab in Amies transport medium. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

If viral isolation is required, submit the swab in viral transport medium and forward the specimen to the Virology Section for processing.

Open Lung/Transthoracic Needle/Transbronchial Lung Biopsies/Lung Aspirates

Collect the specimen into a clean, sterile container and transport it to the laboratory immediately. If anaerobic culture is required on a transthoracic needle biopsy, place the specimen in anaerobic transport medium. If a delay in transport or processing is anticipated, add 0.5 mL of sterile saline and keep the specimen at 4° C.

If virology is required, forward a portion of the specimen to Virology for processing.

Forward a portion of all specimens to the Public Health Laboratory (PHL) for Mycobacteria (TB) culture.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Internet and Mount Single	Policy # QPCMI02001	Page 16 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Mouth Swabs

Swab lesions in the mouth using a clean, sterile swab and then place the swab in Amies transport medium. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Nasal Swabs

Using a saline moistened swab, vigorously rotate just inside each nostril and transport the specimen in Amies transport medium. If a delay in transport or processing is anticipated, keep the specimen at 4° C.

Nasopharyngeal Swabs/Auger Suctions for Bordetella pertussis

Collect a posterior nasopharyngeal swab and placed in a clean, sterile container. Routine throat swabs are not acceptable. Collect auger suctions using a specialized syringe and tubing. The tubing should be sent to the lab in a sterile container.

Oral Abscess Swabs

Collect specimen using a clean, sterile swab from mouth or dental abscess and place the specimen in Amies transport medium. If a delay in transport or processing is anticipated, keep the specimen at 4° C.

Sinus/Antral Specimens

Collect sinus aspirate and antral lavage into a clean, sterile container. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Sputum including Endotracheal tube and Tracheotomy Specimens

Obtain sputum specimen from a deep cough and expel into a clean, sterile container.

Collect sputum samples from patients with tracheostomies and endotracheal tubes (ETT) using a suction device and a Lukens trap.

Send small volumes of endotracheal tube (ETT) secretions from neonates in the suction tubing.

An ETT tip from an adult is an unacceptable specimen.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN The first of Mount Single	Policy # QPCMI02001	Page 17 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Throat Swabs

Collect the specimen using a clean, sterile swab and place it in Amies transport medium. If a delay in transplant or processing is anticipated, keep the specimen at 4°C.

Gastric Aspirates/Biopsies

Collect specimen into a clean sterile container and transported to the laboratory as soon as possible. If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Gastric Aspirates/Biopsies for Helicobacter Pylori

Portagerm pylori (*Helicobacter pylori* transport medium) collection container must be requested through the Department of Microbiology at minimum 1 month prior to scheduled surgery and stored at 2-8C.

For optimal results, each sample should comprise at least 4 biopsies (two from antrum & two from corpus) .

Collect specimen into Portagerm pylori transport medium for *H. pylori* ensuring sample is deeply plunged into the transport medium immediate after collection.

Transport samples to the laboratory within 4 hours of the biopsy.

SEROLOGY SPECIMENS

Refer to the Serology Test Manual for Specimen collection information.

STERILE BODY FLUID SPECIMENS

Cerebrospinal Fluids

Collect the specimen into a clean, sterile, leak-proof centrifuge tube and transport <u>immediately</u> to the laboratory. Collect several tubes to avoid delay in processing the specimen in the various laboratories.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CURNER Mount Sinel Month Sinel	Policy # QPCMI02001	Page 18 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

- If multiple tubes have been collected, avoid using 1st tube for microbiological examination
- Send 1-2 mL of specimen to the Microbiology department for culture.
- If fungal or mycobacterial meningitis is suspected, send an additional 3 to 4 mL to the microbiology laboratory.
- If a delay in transport or processing is anticipated, keep the specimen at **room temperature**.

Other Sterile Fluids – Amniotic, Pleural (Thoracentesis/Empyema), Peritoneal (Ascites), Synovial (Joint), Pericardial, Tympanocentesis, Intraocular, Hydrocele Fluids etc

Collect the specimen by aseptic percutaneous aspiration and transport it in a clean, sterile container and an anaerobic transport container. If a delay in transport or processing is anticipated, keep the specimen at 4° C.

Peritoneal Dialysis Effluent

Drain the dialysis solution from the patient's abdomen directly into bags and transport the entire bags to the lab as soon as possible. If a delay in transport or processing is anticipated, keep the bags at **<u>room temperature</u>**.

Predialysis Fluid

Collect 5 mL of predialysis fluid as eptically into a red top Vacutainer tube and transported it to the lab as soon as possible. If a delay in transport or processing is anticipated, keep the specimen at 4° C.

Amniotic Fluids

Collect amniotic fluid by amniocentesis, Caesarean section or by aspiration with a transcervical intrauterine catheter. Transport the fluid in a clean, sterile container and/or anaerobic transport container. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

Bone Marrow (Aspirates or Biopsies)

A. Bone marrow aspirate:

1. Bone marrow aspirate for C&S, fungal, or mycobacterial culture:

For C&S, collect a minimum of 0.5 mL (preferably 3ml) directly into pediatric blood culture tube and an equal volume into an anaerobic blood culture bottle

For fungal and mycobacterial (and C&S if specimen not collected in PEDC and FNV blood culture bottles), collect a minimum of 0.5 ml (preferably 3ml) in a Sodium Polyanethol (SPS)

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

NOTE: This document is Uncontrolled When Printed.

CUHN En fan A Mount Sinal Mospital Mosp	Policy # QPCMI02001	Page 19 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

<u>tube (light yellow top to be stocked in micro)</u> for each culture requested (preferably larger volume for fungal and mycobacterial cultures)

2. Bone marrow aspirate for NAAT (16S or fungal NAAT) (NB: PHOL will not accept BM aspirates for TB PCR):

Collect a minimum of 0.5 ml in an EDTA tube (purple top) for each NAAT requested

B. Bone marrow core biopsy:

 Bone marrow core biopsy for C&S, fungal, or mycobacterial culture: Collect in a sterile container on a sterile saline soaked gauze
Bone marrow core biopsy for NAAT (16S, fungal or TB NAAT) (preferred specimen for NAAT compared with BM aspirate): Collect in a sterile container on a sterile saline soaked gauze

Blood, Platelets, and Other Transfusion Products

Send the suspect contaminated transfusion bag to the lab intact. If a delay in transport or processing is anticipated, keep the bag at 4° C.

STERILITY SPECIMENS:

Microbial Enumeration (Bioburden) Samples

Unless otherwise directed the followed volumes must be tested:

• 10g or 10mL of product samples from 10 containers

The amount to be tested may be reduced for samples where:

- amount per dosage unit is less than or equal to 1mg
- amount per g or mL is less than 1mg

For products where the total number of entities in a batch is less than 200, the samples size may be reduced to two units, or one unit if the size is less than 10.

Samples should be chosen at random from the bulk material or available containers. To obtain the required quantity, mix the contents of a sufficient number of containers to provide the sample.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 20 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

In a sterile environment, using aseptic techniques, inoculate product into TSB not exceeding a 1:10 ratio of samples to broth.

A negative control must be performed to verify testing conditions. Inoculate an equal portion of chosen sterile diluent in place of the test preparation.

Each TSB will compromise one test and shall be labelled with a unique identifier.

Send samples at room temperature without delay for testing.

BIOLOGICAL SPECIMENS:

Bone Bank Specimens

Collect specimens aseptically in sterile containers or transport it in its original container.

Bone Bank Specimens - Fresh Osteochandral Allograft

Collect the specimen aseptically in sterile containers or transport it in its original container. Label the specimen with Last Name "BONE FRESH" and place a red dot sticker sheet inside the specimen bag. Bone Bank technologist will e-mail the Microbiology charge technologist to alert the Microbiology lab of the arrival of the specimen.

Cardiovascular Lab Specimens (Dog)

Specimens are sent in a clean sterile container or in their original container.

Medicinal Leech Testing

Leech specimen should be submitted in a sterile container with minimal leech water Leech storage fluid should be submitted in a sterile container Leech vendor fluid should be submitted in a sterile container Leech container should be swabbed and submitted in Aries transport media

Tissue Cultures Specimens for Injection

Specimens are sent in a clean sterile container or in their original container.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN In the Avenue of Microbiology	Policy # QPCMI02001	Page 21 of 44	
Quality Manual	Version: 3.1 CURRENT		
Section: Process Control	Subject Title: Pre-analytical Procedure - Specimen		
	Collection		

NON-BIOLOGICAL SPECIMENS:

Air Sampling by Air Flow Sampling Apparatus

Air sampling specimens are collected on various media depending on the purpose of the area to be measured and the type of organisms to be counted. Culture media will be subjected to a specified volume of airflow and be submitted to the microbiology lab for incubation and colony count.

Type of organism	Media
Bacteria	Blood Agar
Fungi	Inhibitory Mold Agar
Bacteria	Trypticase Casein Agar
Fungi	
Fungi	Rose Bengal Agar

Attest

Submit the media-containing glass ampoule. The ampoule must be intact until activated in the lab. Damaged Attests will be rejected.

Chemspore / Sterikon

Submit the ampoule intact until activated in the lab.

Contact Lens & Solution

Collect specimen in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C. If Acanthamoeba is requested, collect specimen into Acanthamoeba collection saline (Pages Saline) forward specimen to PHL for processing. If there is a delay in transport, store the specimen at room temperature for no longer than 12 hours.

Distilled/De-Ionized Water Sterility

Open the water tap fully and allow the water to run for a minimum of 1 minute before sampling. Collect a minimum of 10 mL of water into a sterile container large enough to hold the entire sample with ample of air space to allow for mixing. Avoid any splashing.

Endoscope Surveillance Swabs

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 22 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

10mL of sterile saline if flushed through the instrument channel port and collected into a 15mL conical tube.

The inlet ports of the scope will be brushed and swabbed with a flocked swab. The swab will be broken off into the conical tube with the flushed saline.

A second swab will be used to brush the elevator channel mechanism in the duodenoscopes and will be placed in the conical tube.

Transport specimens at room temperature to the microbiology laboratory. Store at 4°C for delayed processing.

Environmental Monitoring

Air Sampling by Settle plate

- 1. Place inverted, culture media plates (Tryptone Soya Agar for bacteria, Inhibitory Mold Agar for fungi) around the sample processing area
- 2. Remove lids from the media plates
- 3. Leave the media until the clinical sample processing is complete or replace with new media every 4 hours or designated sampling period.
- 4. Close the lid of the settle plates and send to microbiology for incubation and testing.

Contact plate sampling

- 1. Remove lid of contact plate (Tryptone Soya Agar e.g. RODAC plate) and touch the contact plate to the surface area to be sampled for testing
- 2. Replace lid when done and send sample to microbiology for incubation and testing
- 3. When sampling is complete, clean the sampled area prior to use

Glove prints contact plate

- 1. Periodically, product processing staff glove prints are sampled for colony counts. Frequency of sampling is determined by the individual lab submitting the samples.
- 2. Staff gloved fingers are touched to culture media (Tryptone Soya Agar) at various stages of the processing as determined necessary by the submitting lab.
- 3. Each hand (fingers and thumb) should be gently touched and rolled onto a different agar prior to any glove disinfection. A slight impression should be left on the agar.
- 4. Remove and change glove when complete and send sample plate(s) to microbiology

Media Fill

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN	Policy # QPCMI02001	Page 23 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

- 1. The simulation chosen must be representative of real compounding conditions and represent the most complex preparations according to the risk level of preparations made.
- 2. Sterile media (eg. Tryptone soya broth) is used for low or medium risk procedures. For high risk procedure, medium must be non-sterile and include sterilization by filtration.
- 3. Aliquots of sterile TSB are transferred to clear vials. Sterile adhesive seals shall be affixed aseptically to the rubber closures on the three filled vials and submitted to the laboratory promptly.

Hemodialysis Water Sterility

Collect a minimum of 10 mL of water aseptically into a sterile container large enough to hold the entire sample with ample of air space to allow for mixing. Avoid any splashing.

Deliver the sample to the Microbiology Lab. immediately or refrigerate the sample at $4 - 6^{\circ}C$ and deliver it to the Microbiology Lab within 24 hours of collection.

Hemodialysis Ultrapure Dialysis Fluid Sterility

For instruments with sampling ports, disinfect port with alcohol and allow to air dry. A sterile syringe should be used to aspirate at least 10ml of dialysis fluid. Discard filled syringe and collect a fresh sample using a new sterile syringe.

For sample ports consisting of a simple septum penetrated with a needle, the use of second syringe is not necessary.

Alternatively, samples can be collected immediately before the dialyser by disconnecting the inlet connector and aseptically collecting a "free/clean" catch sample after allowing dialysis fluid to run for at least 60 s unless manufacturer instructions state otherwise.

Deliver to the Microbiology laboratory immediately or store and transport at <10 °C without freezing beyond 4 hours of collection. Sample storage beyond 24 hours should be avoided.

Miscellaneous Non-biological Samples

Collect specimen aseptically in sterile containers or transport it in its original container.

Product Sterility – Compendial method

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Hand Street Mount Single M	Policy # QPCMI02001	Page 24 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

1. Collect and prepare specimen as per pharmacy departmental policies and procedures and established guidelines for product sterility testing.

Sampling of lots

Samples for sterility testing are submitted by pharmacy with the minimum number of articles to be tested in relation to the number of articles in the batch and the minimum quantity of product to be tested from each container as per USP <71>. See Table 1 and Table 2.

Table 1: Minimum Number of Articles to be Tested in Relation to the Number of Articles in the Batch

Number of Items in the Batch	Minimum Number of Items to be Tested for Each Medium (unless otherwise justified or authorized)	
Parentera	l preparations	
Not more than 100 containers	10% or 4 containers, whichever is the	
	greater	
More than 100 but no more than 500	10 containers	
containers		
More than 500 containers	2% or 20 containers, whichever is	
	less	

Table 2:	Minimum c	quantit	y to	be	tested	from	each	<i>container</i>
						0		

Product type	Product Quantity	Minimum inoculum for each medium
Liquids	<1mL	Whole content
	1- 40 mL	Half the contents but not <1mL
	41 – 100 mL	20 mL

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN En ten to Mount Sinal Mou	Policy # QPCMI02001	Page 25 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

L
L

- 2. Note: Volume of sample under test must be $\leq 10\%$ of media i.e. 90% medium and 10% product
- 3. The facility is responsible for ensuring submission of a negative control using a chosen diluent in place of the test preparation to verify collection and testing conditions. Submit this sample to the lab following the same product sterility instructions.
- 4. For each product requiring sterility testing, affix the same product information or negative control label onto both the Thioglycollate broth tube and Tryptone Soya broth tube
- 5. Order a sterility test and document specimen collection in the hospital electronic information system (EPR) for each product or complete a provided requisition.
- 6. Using the specimen number generated by the hospital information system (EPR), label the pharmaceutical product, Thioglycollate and Tryptone Soya tubes. For orders provided through requisitions, label tubes with a minimum of two unique product identifiers.
- 7. Using a 3ml syringe and aseptic technique remove 2ml of the pharmaceutical product from original specimen bottle/vial
- 8. Inoculate 1 mL of the aspirated specimen into the Thioglycollate tube and 1mL into the Tryptone Soya tube
- 9. Place inoculated Thioglycollate broth and Tryptone Soya broth tubes back into original shipping container or foam rack and send to Microbiology for incubation and culture.
- 10. Store remaining of the pharmaceutical product in 4°C refrigerator for 1 month in pharmacy until sterility testing result is finalized and reviewed
- 11. For repeat sterility testing, retrieve the remaining stored pharmaceutical product and follow steps #2 to #10 for preparation of the repeat sample

Note to use the same lot number of the Thioglycollate and Tryptone Soya broths as the original submitted broths when sending the repeat sample. Send also a set of uninoculated Thioglycollate and Tryptone Soya broths of same lot numbers. Microbiology will provide the lot numbers when requesting for the repeat sample for sterility testing

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

NOTE: This document is Uncontrolled When Printed.

CUEN Internet and Mount Single	Policy # QPCMI02001	Page 26 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

12. For step #3, ordering of the repeat sterility test in EPR, indicate in the new order, the repeated product identifier and the original EPR specimen number as :

"Repeat for product xxxx, EPR #xxxxxx"

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use. Management System\UHN_Mount Sinai Hospital Microbiology\Quality Manual Policies and Procedures\Process Control\

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 27 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Specimen	
	Collection	

Product Sterility – Rapid BacT/Alert Method

1. Collect and prepare specimen as per pharmacy departmental policies and procedures and established guidelines for product sterility testing.

Sampling of lots

Samples for sterility testing are submitted by pharmacy with the minimum number of articles to be tested in relation to the number of articles in the batch and the minimum quantity of product to be tested from each container as per USP <71>. See Table 1 and Table 2.

Table 1: Minimum Number of Articles to be Tested in Relation to the Number of Articles in the Batch

Number of Items in the Batch	Minimum Number of Items to be Tested for Each Medium (unless otherwise justified or authorized)
Parentera	l preparations
Not more than 100 containers	10% or 4 containers, whichever is the greater
More than 100 but no more than 500 containers	10 containers
More than 500 containers	2% or 20 containers, whichever is less

Table 2: Minimum quantity to be tested from each container

Product type	Product Quantity	Minimum inoculum for each medium
Liquids	<1mL	Whole content
	1- 40 mL	Half the contents but not <1mL
	41 – 100 mL	20 mL
	>100 mL	10% contents but not <20mL

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CURNESS Control of Microbiology	Policy # QPCMI02001	Page 28 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp	pecimen
	Collection	

- 2. The facility is responsible for ensuring submission of a negative control using a chosen sterile diluent in place of the test preparation to verify collection and testing conditions. Submit this sample to the lab following the same product sterility instructions.
- 3. Order a rapid sterility test and document specimen collection in the hospital electronic information system for each product or complete a provided requisition.
- 4. Using the specimen number generated by the hospital information system, label the pharmaceutical product *i*FA and *i*FN bottle. For orders provided through requisitions, label tubes with a minimum of two unique product identifiers.
- 5. Samples must be collected aseptically and maintained under sterile conditions prior to testing.
- 6. Visually inspect bottle prior to inoculation. Do NOT use bottles with:
 - Evidence of damage, leakage or deterioration
 - Evidence of broth turbidity, excess gas pressure (observe for bulging septum), a yellow indicator, and/or evidence of growth.
- 7. Ensure bottles are at room temperature. Disinfect septum with an alcohol pad or equivalent
- 8. <u>DO NOT</u> fill above bottle's maximum sample volume of 10mL
- 9. Inoculate bottle by direct inoculation method recommended for liquids
 - A liquid sample may be inoculated into the bottles through the rubber septum via a needle and syringe.
 - Do NOT vent bottles
 - Avoid multiple inoculations into bottle
 - Recommend a <u>23-gauge needle or smaller</u> to prevent disruption to internal bottle environment
 - Clean septum with alcohol or equivalent prior to inoculation
- 10. Submit inoculated samples (and requisition) to Microbiology for incubation and culture promptly.
- 11. Store remaining of the pharmaceutical product in 4°C refrigerator for 1 month (or as required) in facility until sterility testing result is finalized and reviewed or in case repeat testing is required.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 29 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

Note to use the same lot number of the bottles as the original submitted bottles when sending the repeat sample. Send also a set of uninoculated iFA & iFN bottles of same lot numbers. Microbiology will provide the lot numbers when requesting for the repeat sample for sterility testing

Spore Strip

The spore strip is sent to the lab for testing after the sterilization process. A control strip (unsterilized) may be sent along for testing.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use. Management System\UHN_Mount Sinai Hospital Microbiology\Quality Manual Policies and Procedures\Process Control\

CUEN In the State of Mount Single Mount Sing	Policy # QPCMI02001	Page 30 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

URINE SPECIMENS

Urine is normally a sterile body fluid. However, unless it is collected properly, it may become contaminated with normal flora from the urethra, vagina, prostate or perineum.

Collect urine specimen into a clean, sterile container, then transfer it to a BD grey top urine vacutainer tube. A sterile container is also acceptable. Transport the specimen to the Microbiology Laboratory ASAP if collected in a sterile container. Processing of specimens within 2 hours of collection is recommended. If a delay in transport or processing is anticipated, place the specimen in the refrigerator (4° C to 8° C) until processed.

Voided Urines:

Midstream urine (MSU)

First, carefully clean the urethral meatus. Then void and discard the first 10 - 20 mL of urine in order to clear the urethra. Collect the subsequent urine into a clean, sterile container.

Neonatal bagged urine

Place a clean collection bag over the external genitalia. Transfer the urine from the bag into a clean, sterile container.

Indwelling catheter (Foley catheter) urine

Puncture the catheter tubing aseptically and transfer the urine into a clean, sterile container.

Ileal conduit urine

Clean the stomal opening with alcohol. Insert a sterile catheter to collect the urine and transfer the urine into a clean, sterile container.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Internet and Mount Single	Policy # QPCMI02001	Page 31 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

In and Out Catheter / Catheter Insertion Urine

Collect urine into a clean, sterile container immediately following the initial insertion of an indwelling catheter into the bladder.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN In the Avenue of Microbiology	Policy # QPCMI02001	Page 32 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Aseptically Collected Urines

Nephrostomy urine

Urine draining from a nephrostomy tube placed in the renal pelvis is collected into a clean, sterile container.

Bladder / Cystoscopy / In and out catheter urine

Collect urine into a clean, sterile container following temporary insertion of a sterile catheter or cystoscope into the bladder.

Suprapubic urine aspirate

Aspirate urine through the bladder using a sterile needle and syringe. Transfer the urine into a clean, sterile container.

Segmented Urines

Collect these specimens for the diagnosis of chronic bacterial prostatitis. Collect three urines plus **prostatic secretions** and designate them as follows:

 VB_1 = first voided urine representing the urethra

 VB_2 = midstream urine representing the bladder

 VB_3 = first voided urine after prostatic massage representing the prostrate

EPS = expressed prostatic secretions

Special Requests:

Eosinophil Stain -

Collect first voided urine into a clean, sterile container and transport the specimen to the laboratory ASAP.

Bacterial Latex Agglutination -

Bacterial antigen test is not done due to poor sensitivity and specificity.

Anaerobes -

Collect urine into clean sterile container and transport the specimen immediately to the laboratory. Appropriate specimen is bladder suprapubic aspirate.

Chlamydia Detection -

Collect first voided urine into a Cobas Urine PCR media tube or sterile container and transport the specimen to the microbiology laboratory immediately.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

NOTE: This document is Uncontrolled When Printed.

CUEN The first of Mount Single	Policy # QPCMI02001	Page 33 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Legionella Antigen Detection -

Collect urine into clean sterile container and transport the specimen to the laboratory ASAP. Testing will be performed by the Provincial Health Laboratory.

Leptospira Detection -

Collect urine into clean sterile container and transport the specimen to the laboratory ASAP. Notify microbiologist. Testing will be performed by the Provincial Health Laboratory.

Cryptococcus/Systemic Fungi -

Collect urine into clean sterile container and transport the specimen to the laboratory ASAP.

TB Culture -

Collect first morning voided urine on three consecutive days into clean, sterile containers. Testing will be performed by the Provincial Health Laboratory.

Viral Culture -

Collect urine into a clean, sterile container and transport the specimen to the Virology laboratory immediately.

Parasitology - Schistosomiasis -

Collect mid-day urine into a clean, sterile container and transport the specimen to the Parasitology laboratory ASAP.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN In the Avenue of Microbiology	Policy # QPCMI02001	Page 34 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

WOUND/TISSUE/ASPIRATE SPECIMENS

SWABS AND DRAINAGE SPECIMENS:

Intraoperative/Interventionial Swabs

Intraoperative and interventional swabs should be an ESwab (Liquid Amies Elution swab). If a delay in transport or processing is anticipated, the specimen should be kept at $4^{\circ}C$

Wound/Abscess Swabs and Drainage

Specimens should be collected using a sterile ESwab (Liquid Amies Elution swab). Drainage material should be collected into a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Bite Wound Swabs

Specimens should be collected using a clean, an ESwab (Liquid Amies Elution swab). If a delay in transport or processing is anticipated, the aerobic swab should be kept at 4°C and the anaerobic swab at room temperature.

Intravenous & Central Line Catheter Exit Site Swabs

Specimens should be collected using a clean, an ESwab (Liquid Amies Elution swab). If a delay in transport or processing is anticipated, keep the specimen at 4°C

ABSCESS SPECIMENS (Not Swabs):

Intraoperative/Interventionial Abscess (Pus/Cyst Fluid or Aspirate)

Intraoperative and interventional aspirates should be sent in sterile container or an ESwab (Liquid Amies Elution swab). If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Hand Street Mount Single M	Policy # QPCMI02001	Page 35 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Pus & Abscess Material (other than Intraoperative/Interventional, Rectal or Bartholin

Pus from an abscess should be sent in a clean, an ESwab (Liquid Amies Elution swab). If a delay in transport or processing is anticipated, keep the specimen at 4°C.

Rectal Abscess

Rectal abscess swabs should be an ESwab (Liquid Amies Elution swab). Pus from a rectal abscess should be sent in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Bartholin's Abscess swab/Aspirate

Specimens for culture are collected should be an ESwab (Liquid Amies Elution swab). For detection of CT/GC, refer to the.

TISSUES, PROSTHETIC DEVICES, AND AUTOPSY SPECIMENS:

Tissues/Biopsies (other than skin or transplant tissues)

Tissue should be collected in a clean, sterile container with a small amount of sterile saline. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Skin Biopsies

Skin biopsy specimens should be placed in a sterile container with sterile saline. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

Transplant - Bone Graft & Cadaver Fascia/Tissue/ Swab Specimens/Donor Amniotic Fluid/Membrane; Donor Corneal Ring Material

Swabs from the donor bones or fascia should be collected using a clean, sterile swab and sent in Amies transport medium. If anaerobic culture is requested, an anaerobic swab sent in anaerobic transport medium should be collected. Bone or fascia tissue should be sent in a clean, sterile

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Hand State Mount Sinal Mospital Mo	Policy # QPCMI02001	Page 36 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

container. If a delay in transport or processing is anticipated, the aerobic specimen should be kept at 4°C.

Prosthetic Devices (e.g. Pacemaker Wire, Dacron Graft, Prosthetic Valve)

These specimens should be sent in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Autopsy Specimens

This specimen should be received in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

CATHETER SPECIMENS:

Intravascular Catheter Tips

These specimens should be sent in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Peritoneal Dialysis Catheter/Canula

These specimens should be sent in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

BILE SPECIMENS:

Bile and Bile Stents

Bile may be aspirated with a syringe during surgery or collected in a sterile container from a post-op drain. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN The first the Mount Sinal Mospital	Policy # QPCMI02001	Page 37 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

MISCELLANEOUS FLUID SPECIMENS:

Breast Milk

Breast milk should be sent in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Total Parental Nutrition (TPN)

A TPN set disconnected from patients with fever consists of a TPN bag, tubing and a lipid bottle. Distinguish these from Pharmacy TPN samples for sterility testing which are sent in small vials. Inform Infection Control Nurse when TPN set is received.

EAR SPECIMENS

Ear Swab

The ear swab should be collected using a clean, sterile swab and sent in Amies transport medium. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

Tympanocentesis Fluid

Tympanocentesis fluid is obtained for the diagnosis of otitis media. These specimens are handled as sterile fluids. (Refer to <u>Sterile Fluids Section</u>)

EYE SPECIMENS

Eye / Conjunctival / Lid Swabs

It is preferable that both eyes be swabbed, even if the infection is unilateral. Swabs should be collected prior to the instillation of topical anaesthetics or antibiotics, and sent in Amies

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

NOTE: This document is Uncontrolled When Printed.

CUEN Internet and Mount Single	Policy # QPCMI02001	Page 38 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

transport medium. Viral isolation requires special transport media. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

Occasionally, specimens collected by an ophthalmologist will be inoculated directly onto culture plates at the bedside. The ophthalmologist will inoculate the plates in a short spiral line. If lid swabs are also collected, these will be inoculated onto the same culture plates next to the conjunctival inoculation. Lid swabs will be inoculated in the shape of an "L" or "R" indicating left or right, respectively. These plates should be kept in the incubator (35°C) until processed.

Eye / Corneal Scrapings

Testing	Media/Supplies
Bacterial Culture	Blood Agar (BA)
	Chocolate Agar (CHOC)
	Fastidious Anaerobic Broth (FAB) (aka THIO)
Fungal Culture	Inhibitory Mold Agar (IMA)
Acanthamoeba Culture	Sterile Saline
Viral PCR	Viral Transport Media
Microscopy	50 mL Falcon Tube or other hard-sided container
	Glass Slides

The media/supplies needed are listed in the table below:

The media are to be supplied to the physician for each eye: BA, CHOC, IMA and THIO. The physician will inoculate the plates in rows of "C" - shaped marks, with each row representing a separate sample; the inoculated plates should be sent to the microbiology laboratory without delay. Once received in microbiology, if a delay in processing is anticipated, inoculated plates should be kept in the incubator $(35^{\circ}C)$ in Specimen Management area.

Virus and chlamydia detection require special viral transport media (see Molecular Manual), and should be kept at 4^{0} C if delay in transport or processing is anticipated.

If acanthamoeba is requested, collect specimen in saline and forward specimen to PHL for processing. If there is a delay in transport, store inoculated saline bottle(s) at room temperature.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Market W Mount Sinal Moun	Policy # QPCMI02001	Page 39 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Follow the chart below for the media/supplies used and the tips for storage and transport.



Intraocular Aspirates

Aspirates of intraocular fluids are submitted for the diagnosis of uveitis and endophthalmitis. These specimens are handled as sterile fluids. (Refer to <u>Sterile Fluids Section</u>)

Lacrimal (Tear Duct) Stone / Secretions

Specimens are to be collected and transported in a clean, sterile container. If a delay in transport or processing is anticipated, the specimen should be kept at 4°C.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 40 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S	pecimen
	Collection	

FACIAL SPECIMENS

Facial Swabs

These specimens should be transported in either an anaerobic transport container or Amies transport medium. If a delay in transport or processing is anticipated, the specimen should be kept at 4° C.

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUEN Reaction of Microbiology	Policy # QPCMI02001	Page 41 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

Record of Edited Revisions

Manual Section Name: Pre-analytical Procedure - Specimen Collection

Page Number / Item	Date of Revision	Signature of
		Approval
Annual Review	May 4, 2005	Dr. T. Mazzulli
Annual Review	July 23, 2006	Dr. T. Mazzulli
Annual Review	August 13, 2007	Dr. T. Mazzulli
Blood Culture Collection - revised	June 15, 2008	Dr. T. Mazzulli
Annual Review	June 15, 2008	Dr. T. Mazzulli
Annual Review	June 16, 2009	Dr. T. Mazzulli
Annual Review	May 31, 2011	Dr. T. Mazzulli
Updated Respiratory Section	November 07, 2011	Dr. T. Mazzulli
Annual Review	May 31, 2012	Dr. T. Mazzulli
Annual Review	May 31, 2013	Dr. T. Mazzulli
Annual Review	May 09, 2014	Dr. T. Mazzulli
Added IC sections: ESBL/CRE, Resistant GN, Kleb	May 26, 2015	Dr. T. Mazzulli
oxy/pneumo, GAS, Pseudo screen		
Added Wounds section		
Added section for Serology and Molecular Diagnostics		
with links to the manuals for collection and transport		
information.		
Added sterility section		
Genital specimens:	January 13, 2016	Dr. T. Mazzulli
-Added Vaginal Swab for Chlamydia / GC – collect in		
Cobas PCR tube		
-Under cervical added: Collect specimen for		
GC/Chlamydia in a Cobas PCR swab Container.		
-Under Seminal Fluid added: Collect specimen for		
GC/Chlamydia PCR in a Cobas PCR swab Container.		
-added Vaginal swab for cases of sexual abuse/ toxic		
shock / children:Collect swabs from the posterior vaginal		
vault or vaginal orifice and transport the swab in Amies		
transport medium.		
Annual Review	May 26, 2016	Dr. T. Mazzulli
Added link to specimen labelling manual		
Added introduction section		
Added "Endoscope surveillance swab" to	October 28, 2016	Dr. T. Mazzulli

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CURNER Month Single Month Singl	Policy # QPCMI02001	Page 42 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - Sp Collection	pecimen

Page Number / Item	Date of Revision	Signature of
		Approval
Sterility/Nonbiological section		
Annual Review	May 14, 2017	Dr. T. Mazzulli
Medicinal Leech Testing added to biological sterility	May 14, 2018	Dr. T. Mazzulli
specimens.		
Media fill environmental collection instructions added.		
Merged Radio pharmacy and Pharmacy sterility to follow		
Radio pharmacy procedure. Section name remains as		
Pharmacy sterility.		
Annual Review	June 12, 2018	Dr. T. Mazzulli
Addition to specimen labeling section within Introduction		
Updated collection of environmental sterility testing.	September 4, 2018	Dr. T. Mazzulli
Include TSA instead of BA. Included procedures for all		
risk level facilities.		
Expanded introduction.	September 13, 2018	Dr. T. Mazzulli
Addition of USP compounding facility collection	September 26, 2018	Dr. T. Mazzulli
guidelines		
Addition of Gastric biopsy/aspirate for H.pylori	November 28 th , 2018	Dr. T. Mazzulli
Annual Review	November 27 th , 2019	Dr. T. Mazzulli
Addition of step #3 to Pharmacy Sterilty:		
"The facility is responsible for ensuring submission of a		
negative control using a chosen diluent in place of the		
test preparation to verify collection and testing		
conditions. Submit this sample to the lab following the		
same product sterility instructions."		
Addition of rapid sterility testing collection instructions	February 18, 2020	Dr. T. Mazzulli
Addition of Microbial Enumeration Testing	April 8, 2020	Dr. T. Mazzulli
Annual Review	December 29, 2020	Dr. T. Mazzulli

Full document review included in all updates. Biennial review conducted when no revision had been made within 2 years.

Page Number / Item	Date of Revision	Edited by:
Added note in intro regarding "In-date (not expired)	Jan 12, 2021	Dorna Zareianjahromi
transport media used"		
Added note CSF, avoid using 1 st tube for micro	Jan 19, 2021	Dorna Zareianjahromi
Added O&P collection, collected directly into an	Feb 05, 2021	
appropriate preservative. Contamination with water or		Dorna Zareianjahromi
urine must be avoided.		
Minor formatting change	April 10, 2021	Jessica Bourke

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed.

Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN Hand Street Mount Single M	Policy # QPCMI02001	Page 43 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

Page Number / Item	Date of Revision	Edited by:
Updated blood culture collection timing info	April 10, 2021	Wayne Chiu
Updated enteric transport to Copan Fecal Swab	Sep 22, 2021	Wayne Chiu
Added subsection with additional info for bone marrow	June 15, 2022	Wayne Chiu
collection		
Changed "Recommend a 27-gauge needle" to		
"Recommend a 23-gauge needle or smaller" in		
Product Sterility – Rapid BacT/Alert Method section	September 19, 2022	Oliver Li
(page 27) as per bioMerieux BACTALERT change		
notification		
Addition of Section Ultrapure Hemodialysis fluid	April 17, 2023	Jessica Bourke
Updated instructions for "Eye / Corneal Scrapings" and	Soptombor 12, 2024	Olivor I i
included the infograph for clarity	September 12, 2024	Oliver Li
Minor formatting changes	September 16, 2024	Oliver Li

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.

CUHN In the Mount Sinal Mount	Policy # QPCMI02001	Page 44 of 44
Quality Manual	Version: 3.1 CURRENT	
Section: Process Control	Subject Title: Pre-analytical Procedure - S Collection	pecimen

UNIVERSITY HEALTH NETWORK/MOUNT SINAI HOSPITAL, DEPARTMENT OF MICROBIOLOGY

NOTE: This document is Uncontrolled When Printed. Any documents appearing in paper form that do not state "CONTROLLED COPY" in red print are not controlled and should be checked against the document (titled as above) on the server prior to use.