



Laboratory Request Form

Department of Microbiology, King Chulalongkorn Memorial Hospital

1873 Rama IV Rd., Pathumwan District, Bangkok 10330, Thailand Tel. 0-2256-4132 Fax 0-2252-5952

Barcode

Name..... Sex M F Age.....yrs. Clinic/Ward.....
HN..... AN..... Requested by / Code..... Diagnosis.....

HIS Lab No. MB/MF.....

SPECIMEN : Must be filled in completely : Collection Date Time By

| | | |
|---|---|---|
| Blood <input type="checkbox"/> Clotted <input type="checkbox"/> 1 st serum <input type="checkbox"/> 2 nd serum <input type="checkbox"/> Hemoculture <input type="checkbox"/> Central <input type="checkbox"/> Peripheral Body fluid <input type="checkbox"/> Ascitic fluid <input type="checkbox"/> Pericardial fluid <input type="checkbox"/> Bile <input type="checkbox"/> Peritoneal dialysate <input type="checkbox"/> Bone marrow <input type="checkbox"/> Peritoneal fluid <input type="checkbox"/> CSF <input type="checkbox"/> Pleural fluid <input type="checkbox"/> Gastric content/washing <input type="checkbox"/> Synovial fluid Eye <input type="checkbox"/> Aqueous fluid <input type="checkbox"/> Conjunctival swab <input type="checkbox"/> Corneal scraping <input type="checkbox"/> Vitreous fluid Others (ระบุ) | Gastrointestinal tract <input type="checkbox"/> Stool <input type="checkbox"/> Rectal swab Genitourinary tract <input type="checkbox"/> Cervical swab <input type="checkbox"/> Vaginal swab <input type="checkbox"/> Urethral swab Upper respiratory tract <input type="checkbox"/> Nasal swab <input type="checkbox"/> Throat swab <input type="checkbox"/> Nasopharyngeal swab <input type="checkbox"/> Sinus washing / discharge Lower respiratory tract <input type="checkbox"/> Bronchoalveolar brushing/washing/lavage (BAL) <input type="checkbox"/> Endotracheal aspirate (ETA) <input type="checkbox"/> Sputum | Tissue <input type="checkbox"/> Aspirate <input type="checkbox"/> Autopsy <input type="checkbox"/> Biopsy Specify site (ระบุ) Urinary tract <input type="checkbox"/> Urine <input type="checkbox"/> Suprapubic aspirate Miscellaneous <input type="checkbox"/> Hair <input type="checkbox"/> Isolated bacterium <input type="checkbox"/> Isolated fungus <input type="checkbox"/> Milk <input type="checkbox"/> Nail <input type="checkbox"/> Skin <input type="checkbox"/> Water <input type="checkbox"/> Tip, catheter <input type="checkbox"/> Wound/Abscess/Discharge Specify site (ระบุ) |
|---|---|---|

Direct Examination

| | | |
|--|---|--|
| <input type="checkbox"/> MB004 AFB stain <input type="checkbox"/> MB061 Dark-field examination <input type="checkbox"/> MB027 Giemsa stain (<i>Chlamydia trachomatis</i> inclusion bodies; only corneal scraping) | <input type="checkbox"/> MB015 Gram stain <input type="checkbox"/> MF013 Gomori's methenamine silver nitrate (GMS) stain <input type="checkbox"/> MF005 India ink preparation | <input type="checkbox"/> MF006 KOH preparation <input type="checkbox"/> MB026 Modified AFB stain <input type="checkbox"/> MF010 Wright stain |
|--|---|--|

| BACTERIOLOGY | BACTERIOLOGY | BACTERIOLOGY | BACTERIOLOGY | BACTERIOLOGY | คำแนะนำในการเก็บตัวอย่าง |
|--------------|--------------|--------------|--------------|--------------|--------------------------|
|--------------|--------------|--------------|--------------|--------------|--------------------------|

| Culture | <i>Legionella</i> | <i>Leptospira</i> | <i>Mycobacterium</i> | <i>Helicobacter</i> | Typhus |
|--|--|-------------------|----------------------|---------------------|--------|
| <input type="checkbox"/> MB001 Aerobic culture with AST ¹ (except blood) <input type="checkbox"/> MB005 Anaerobic culture <input type="checkbox"/> MB059 Blood culture, aerobe <input type="checkbox"/> MB060 Blood culture, anaerobe <input type="checkbox"/> MB006 <i>Bordetella pertussis</i> culture ² <input type="checkbox"/> MB007 <i>Campylobacter</i> culture <input type="checkbox"/> MB014 <i>Corynebacterium diphtheriae</i> culture ² <input type="checkbox"/> MB018 MIC : agent (s) ² | <input type="checkbox"/> MB041 <i>Legionella</i> culture ² <input type="checkbox"/> MB050 <i>Legionella</i> culture from water ² <input type="checkbox"/> MB039 <i>Legionella</i> IgG Ab (IFA) <input type="checkbox"/> MB040 <i>Legionella</i> IgM Ab (IFA) | | | | |
| <i>Chlamydia/Chlamydophila</i> | Others | | | | |
| <input type="checkbox"/> MB008 <i>C. trachomatis</i> culture <input type="checkbox"/> MB010 <i>C. pneumoniae</i> IgG (MIF) <input type="checkbox"/> MB011 <i>C. pneumoniae</i> IgM (MIF) <input type="checkbox"/> MB036 <i>C. psittaci</i> IgG (MIF) <input type="checkbox"/> MB037 <i>C. psittaci</i> IgM (MIF) <input type="checkbox"/> MB034 <i>C. trachomatis</i> IgG (MIF) <input type="checkbox"/> MB035 <i>C. trachomatis</i> IgM (MIF) <input type="checkbox"/> MB012 <i>Chlamydia/Chlamydophila</i> IgA for species <input type="checkbox"/> MB045 PCR for <i>C. pneumoniae</i> <input type="checkbox"/> MB038 PCR for <i>C. trachomatis</i> | <input type="checkbox"/> MI098 Anti-DNAse B <input type="checkbox"/> MI054 ASO <input type="checkbox"/> MI061 Bacterial antigens (<i>Streptococcus</i> group B, <i>E.coli</i> K1, <i>H.influenzae</i> type B, <i>S.pneumoniae</i> , <i>N.meningitidis</i>) <input type="checkbox"/> MI052 Cold agglutinin <input type="checkbox"/> MI060 Melioid Ab <input type="checkbox"/> MI057 Widal test <input type="checkbox"/> MB065 Bacterial identification by base sequencing <input type="checkbox"/> MB013 <i>Clostridium difficile</i> toxin A&B <input type="checkbox"/> MB052 Colony count (Membrane filter method) <input type="checkbox"/> MB051 Colony count (Spread plate method) <input type="checkbox"/> MB062 Quantitative culture (BAL/ETA) <input type="checkbox"/> MB022 Special identification of bacteria | | | | |

Blood culture :-
ผู้ใหญ่ 5 – 10 มล.
เด็ก 1 – 3 มล.
CSF, Body fluid :-
เก็บใส่ขวดปราศจากเชื้อ
ส่งทันที ห้ามแช่เย็น
Urine :-
ระยะเวลาเก็บ ส่งทันที
ภายใน 2 ชั่วโมง หรือ
เก็บตู้เย็นไม่เกิน 24 ชั่วโมง
Sputum :-
เสมหะเข้า ระยะเวลาเก็บ
ส่งทันที หรือเก็บตู้เย็น
ไม่เกิน 24 ชั่วโมง
Swab :-
aerobe: Amies transport
medium (วันสีดำ)
fungus: ใส่ขวด sterile
ที่มี NSS ประมาณ 0.5 มล.
Tissue :-
ขนาด ≤ 1 ซม³
ใส่ขวด sterile
ห้ามใส่ formalin
ถ้าสงสัย Pythiosis &
Mucormycoses ส่งทันที
หรือเก็บที่อุณหภูมิห้อง
Stool :-
เก็บใน Cary Blair
transport medium
(วันสีขาว)
สำหรับ *Campylobacter*
culture เก็บใส่ขวด sterile

แลกชาวดิ้น

Note :-

| MYCOLOGY | MYCOLOGY | MYCOLOGY | MYCOLOGY | MYCOLOGY |
|--|--|--|---|----------|
| Culture <input type="checkbox"/> MF022 Blood culture for fungus (Automated) <input type="checkbox"/> MF003 Fungus culture | Serology <input type="checkbox"/> MF026 <i>Aspergillus</i> galactomannan antigen (EIA) ² <input type="checkbox"/> MF001 <i>Cryptococcus</i> antigen (LA) | Susceptibility Test <input type="checkbox"/> MF016 Etest : Amphotericin B ² <input type="checkbox"/> MF017 Etest : Caspofungin ² <input type="checkbox"/> MF018 Etest : Fluconazole ² <input type="checkbox"/> MF020 Etest : Itraconazole ² <input type="checkbox"/> MF019 Etest : Ketoconazole ² <input type="checkbox"/> MF021 Etest : Voriconazole ² | Others <input type="checkbox"/> MF014 Mould identification (Conventional) <input type="checkbox"/> MF015 Yeast identification <input type="checkbox"/> MF024 Western blot for pythiosis ² <input type="checkbox"/> MF027 PCR for fungus detection | |

1 AST = Antimicrobial Susceptibility Test
2 ตัวอย่าง : isolated organism

2 กรุณาคัดต่อห้องปฏิบัติการทุกครั้งก่อนส่งตรวจ
4 ตัวอย่าง : AFB-positive specimen



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HIS Lab No. MV/MI.....

SPECIMEN : Must be filled in completely : Collection Date Time By Antiviral treatment Yes (ระบุ)..... No

Blood Clotted 1st serum 2nd serum
 EDTA Heparin
 Bone marrow
 CSF
Eye Conjunctival swab Vitreous fluid
 Corneal scraping Tear

Respiratory tract
 Nasopharyngeal aspirate Nasopharyngeal swab
 Endotracheal aspirate Nasal swab
 Bronchoalveolar lavage (BAL) Throat swab
Skin lesions
 Skin scraping/swab Vesicle fluid

Genitourinary tract
 Cervical swab Vaginal swab
 Urine
Gastrointestinal tract
 Stool Rectal swab Gastric content
Other.....(ระบุ)

IMMUNOLOGY and VIROLOGY

IMMUNOLOGY and VIROLOGY

IMMUNOLOGY and VIROLOGY

Infection

รายการตรวจที่ห้องปฏิบัติการ ภา. 4
 MI106 Anti HBc (ด่วน)
 MI105 Anti HBs (ด่วน)
 MI109 Anti HCV (ด่วน)
 MI035 Anti HIV (ด่วน)
 MI104 HBs Ag (ด่วน)
 MI161 Treponemal Ab (CMIA) (ด่วน)

Hepatitis A virus
 MI043 Anti HAV IgM
 MI044 Anti HAV (Total Ig)

Influenza virus
 MV073 Influenza A,B Ag (Rapid)
 MV081 Influenza A/B/RSV (RT-PCR)
 MV061 Influenza (A,B) isolation *
 MV064 Influenza (H5N1)
 MV074 Influenza A (H1N1) 2009

Adenovirus
 MV059 Adenovirus Ag
 MV063 Adenovirus isolation *

Hepatitis B virus
 MI040 Anti HBs MI039 Anti HBc
 MI037 HBe Ag MI042 Anti HBc IgM
 MI038 HBs Ag MI041 Anti HBe
 MI151 HBs Ag quantitative
 MV037 HBV-viral load

Measles virus
 MV032 Measles-IgG
 MV033 Measles-IgM

BK virus
 MV084 BK-viral load

Hepatitis C virus
 MI045 Anti HCV
 MV038 HCV-RNA (qualitative)
 MV039 HCV-viral load
 MV065 HCV genotype (Linear array)

Mumps virus
 MV070 Mumps-IgG
 MV071 Mumps-IgM

Cytomegalovirus (CMV)
 MV001 CMV-IgG MV002 CMV-IgM
 MV018 CMV-infected cell Ag *
 MV041 CMV-viral load
 MV042 CMV-DNA (qualitative)

Hepatitis E virus
 MI163 Anti HEV IgG
 MI164 Anti HEV IgM

Parainfluenza virus
 MV058 Parainfluenza 1, 2, 3 Ag
 MV062 Parainfluenza 1,2,3 isolation *

Dengue virus
 MV079 Dengue IgG/IgM/NS1 (Rapid)
 MV004 Dengue IgG/IgM (Rapid)
 MV068 Dengue IgG/IgM (ELISA)
 MV080 Dengue-RNA (qualitative)

Herpes simplex virus (HSV)
 MV007 HSV-IgG MV008 HSV-IgM
 MV017 HSV-infected cell Ag
 MV020 HSV isolation *
 MV052 HSV-DNA (qualitative)

Parvovirus
 MV025 Parvo B19 IgG
 MV026 Parvo B19 IgM

Epstein-Barr virus (EBV)
 MV005 EBV-IgG MV006 EBV-IgM
 MV029 EBV-IgA
 MV051 EBV (EBNA)-IgG
 MV066 EBV-viral load

Human papilloma virus (HPV)
 MV054 HPV-DNA (screening and typing)
 MV055 HPV-16/18 & high risk types

Respiratory syncytial virus (RSV)
 MV015 RSV-Ag (Rapid)
 MV053 RSV isolation *

Multiple viruses
 MV081 Influenza A/B/RSV (RT-PCR)
 MV078 Rotavirus and Enteric adenovirus(Rapid)
 MV083 Herpesvirus 1-8 and Enterovirus(Microarray)
 MV056 Respiratory virus Ag (Panel 7 types)
 MV060 Respiratory virus isolation (Panel 7 types) *
 MV082 Respiratory virus 19 subtypes (Microarray)

Human immunodeficiency virus (HIV)
 MI034 Anti HIV
 MI036 HIV p24 antigen
 MV034 HIV-DNA (qualitative)
 MV035 HIV-viral load

Rotavirus
 MV016 Rotavirus Ag (Rapid)

MV012 TORCH-IgG (Rubella, CMV, HSV)
 MV013 TORCH-IgM (Rubella, CMV, HSV)

[HSV-1, HSV-2, VZV, EBV, CMV, HHV-6, HHV-7, HHV-8, Enterovirus]
[Influenza A, B; Parainfluenza 1, 2, 3; Adenovirus; RSV]
[Influenza A, B; Parainfluenza 1, 2, 3; Adenovirus; RSV]
[Influenza A (H1N1, H3N2, 2009), B, C; Parainfluenza 1, 2, 3, 4A, 4B;
Adenovirus; RSV A, B; hMPV A, B; Enterovirus; Rhinovirus; Coronavirus 229E; Bocavirus]

Rubella virus
 MV010 Rubella-IgG
 MV011 Rubella-IgM

Varicella-zoster virus (VZV)
 MV030 VZV-IgG MV031 VZV-IgM
 MV069 VZV-DNA (qualitative)
 MV072 VZV-infected cell Ag

Non-Infection

Allergy
 MI130 Tryptase
Other Allergy tests use form น. 6342

Complement
 MI013 C3 ***
 MI014 C4 ***
 MI012 CH50 ***

Tumor Marker
 MI016 Alpha-fetoprotein
 MI017 β2-microglobulin
 MI015 CA19-9
 MI178 Amniotic AFP

Autoantibody
 MI018 Antinuclear Ab (IF)
 MI019 Anti-ds DNA
 MI021 Anti RNP
 MI022 Anti Sm
 MI023 Anti SS-A
 MI024 Anti SS-B
 MI026 Rheumatoid factor
 MI027 Antithyroglobulin
 MI028 Antithyroid peroxidase
 MI029 Anticardiolipin : IgG
 MI030 Anticardiolipin : IgM
 MI031 Anticardiolipin : IgA
 MI032 Antimitochondria Ab
 MI033 Antismooth muscle Ab
 MI146 Anti CCP
 MI156 Anti β2 glycoprotein I-IgG
 MI157 Anti β2 glycoprotein I-IgM
 MI175 ANCA profile(MPO, PR3, GBM)
 MI182 ANCA (IFA)
 MI184 Anti IFN-gamma
 MI186 Anti-PLA2R
 MI176 Myositis profile 3 (IB) [Mi-2, Ku, PM-Scl100, PM-Scl75,Jo-1, SRP, PL-7, PL-12, EJ, OJ, Ro-52]
 MI132 ANA profile 1 (IB) [nRNP/Sm, Sm, SS-A, Ro-52, SS-B, Scl-70, Jo-1, CENP B, dsDNA, nucleosomes, histones, ribosomal P-protein]
 MI177 ANA profile 5 (IB) [nRNP/Sm, Sm, RNP 70, RNPA, RNPC, SS-A, Ro-52, SS-B, Scl-70, PM-Scl, Jo-1, CENP B, PCNA, dsDNA, nucleosomes, histones, ribosomal P protein, AMA-M2]

Immunoglobulin
 MI001 IgG
 MI002 IgM
 MI003 IgA
 MI004 Total IgE
 MI006 IgG 1
 MI007 IgG 2
 MI008 IgG 3
 MI009 IgG 4
 MI135 Serum free light chain : κ
 MI136 Serum free light chain : λ
 MI011 Protein Electrophoresis
 MI131 Immunofixation
 MI158 Capillary Immunotyping Electrophoresis

Acute phase protein
 MI051 CRP
 MI110 CRP (High sensitivity)
 MI062 Cryoglobulin **

Lymphocyte subpopulation
 MI088 CD3, CD4 counts
 MI067 CD3, CD4, CD8 counts
 MI068 CD3,CD4,CD8,CD19,CD56 counts
 MI111 NK cell count
 MI112 B cell count

Specific HLA
 MI091 HLA-B27
 MI144 HLA-B*5701
 MI145 HLA-B*5801
 MI149 HLA-B*1502
 MI162 HLA-B51
 MI090 HLA-DR4

รายการทดสอบที่ต้องติดต่อล่วงหน้า
 MI069 HLA class I serotyping
 MI080 HLA class II (DR,DQ) DNA typing
 MI089 HLA class I (A,B) DNA typing
 MI107 HLA-A DNA typing
 MI108 HLA-B DNA typing
 MI066 PHA stimulation
 MI137 DHR assay

คำแนะนำในการเก็บตัวอย่างส่งตรวจ -- กรุณาตรวจละเอียดในคู่มือสิ่งส่งตรวจ --
* กรุณาติดต่อห้องปฏิบัติการทุกครั้งก่อนส่งตรวจ ** Cryoglobulin เจาะเลือด 10 มล.ห้ามแช่เย็น ใช้มือกำหลอดเลือดมาแล้วนำส่งทันที
*** ส่งตรวจ complement ส่งทันทีหรือเก็บตู้เย็นไม่เกิน 2 ชั่วโมง