

Extract Vademecum Department of Medical Microbiology



Status:	Code:	Version:	Approval date:
Geldig	MMB-PR-04/1	1	Juni 2017

Name request	Specimen	Material needed	Transport	Storage conditions	Turn around time	Remarks
Bacteriology						
Bacterial culture	pus, punctate, tissue, superficial swabs	specimen in sterile container/swab in amies medium	Within 24h	2-8°C	2-5 days	Anaerobic bacteria may take up to 10 days.
Blood culture	Adults: 20 mL blood Infants: as many blood as possible	Adults: 10 mL in aerobe and 10 mL in anaerobe bloodculture bottle Infants: as many as possible in pediatric bloodculture bottle	Within 24h	roomtemperature or incubator at 36°C	5 days	Endocarditis (HACEK): 10 days Fungi: 10 days
Bordetella (para)pertussis	nose/throat cavity swab	specimen in sterile container/swab in amies medium	Within 24h	2-8°C	7 days	
Brucella spp. (Bang disease)	blood, bonemarrow, tissue (fluid)	sterile container Blood: same as bloodculture	A.s.a.p. max 24h	Other: 2-8°C Blood: roomtemperature or incubator at 36°C	3 weeks	
Aeromonas spp.	Feces	specimen in sterile container/swab in amies medium	Within 24h	2-8°C	2-5 days	
E.coli O157:H7						
Salmonella spp./Shigella spp.						
Yersinia enterocolitica						
Campylobacter spp.						
Vibrio cholera						
Clostridium difficile						
CAPD (Continue Ambulant Peritoneal Dialysis)	50 mLdialysate	Bloodculture bottles/ Sterile container	A.s.a.p. max 24h	2-8°C	5 days	

Genital culture	urogenital samples	specimen in sterile container/swab in amies medium	Within 24h	roomtemperature	3-5 days	
Neisseria gonorrhoeae	urogenital samples	sterile swab in charcoal or amies medium	A.s.a.p, same day	roomtemperature	3-5 days	Do not refrigerate.
Haemophilus ducreyi	ulcus swab	sterile swab in amies medium	A.s.a.p, max 24h	roomtemperature	5-10 days	
Helicobacter pylori culture	gastric/duodenal biopsy	sterile container in NaCl solution	Within 24h	2-8°C	10 days	
Legionela spp. culture	pulmonary tissue, transtracheal punctate, bronchoscopy specimens, pleura punctate	sterile container	Within 24h	2-8°C	10 days	
Inventarisation culture neonates/PROM	throat, ear, rectal and skin swabs	sterile swab in amies medium	Within 24h	2-8°C	2-5 days	
MRSA (Methicilline Resistant S. aureus), HRMO (Highly Resistant Micro organism), CPE (Carbapenemase Positive Enterobacteriaceae)	throat, nose, perineum, wound, urine, respiratoire specimens	specimen in sterile container/swab in amies medium	A.s.a.p., within 24h	2-8°C	3-5 days	
Gram stain	diverse specimen	specimen in sterile container/swab in amies medium	Within 24h	roomtemperature	1 day	
Mycology						
Mycology	Respiratoire samples, liquor, body fluids, urogenital swabs, superficial swabs, nasopharynx, feces, skin, nail, hair	specimen in sterile container/swab in amies medium	A.s.a.p. max 24h	2-8°C or roomtemperature	5 weeks	
Yeasts	(Urogenital) pus, urine, blood, feces, respiratoire samples, superficial swabs	specimen in sterile container/swab in amies medium	Within 24h	2-8°C	2-7 days	
India ink stain	CSF, liquor	specimen in sterile container	Within 24h	roomtemperature	1 day	Cryptococci
Feces/Parasitology						

Cryptosporidium spp.	feces	(SAF) container	Within 24h	roomtemperature	1 day	
Cyclospora spp.						
Malaria spp.	blood	EDTA tube	A.s.a.p., within 24h		1 day	
Schistosoma spp.	feces/urine	sterile container	A.s.a.p., within 24h	2-8°C	1 day	
Worms, wormeggs, cysts and protozoa	feces	sterile container	A.s.a.p., within 24h	2-8°C	1-2 days	
Enterobius vermicularis	tapetest	clear tape imprint of the perianal folds attached to a clean microscope slide	Within 72h	roomtemperature	1-2 days	
Strongyloides	feces (sputum or urine in case of hyperinfection)	feces in sterile container	A.s.a.p., same day	do not cool	1 day	
Trichomonas	vagina/cervix	sterile swab in amies medium	Within 24h	2-8°C	1-2 days	
Trypanosoma	blood	EDTA tube	A.s.a.p., within 24h	roomtemperature	1 day confirmationtest: 1-2 weeks	
Adeno-virus/Rota-virus antigen rapid test	feces	feces in sterile container	Within 24h	2-8°C	1-2 days	
Therapeutic Drug						
Gentamicin concentration	2 mL serum	coagulation tube	A.s.a.p., within 24h	2-8°C	1-2 days	
Vancomicin concentration	2 mL serum	coagulation tube	A.s.a.p., within 24h	2-8°C	1-2 days	
Serology						
Adeno IgG	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Amoeba serology.	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Aspergillus serology	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Bartonella henselae	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Bof (Mumps)	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Bordetella (para)pertussis	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	2-3 weeks	

Borrelia burgdorferi (Lyme disease)	2 mL serum/liquor	coagulation tube, sterile tube	Within 24h	2-8°C	2-3 weeks	
Brucella spp. (Bang disease)	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Campylobacter jejuni	2 mL serum, 5 mL coagulated blood	coagulation tube/EDTA tube	Within 24h	2-8°C	2-3 weeks	
Chikungunya virus	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	1 week	
Chlamydia spp.	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Coxiella burnetti	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Coxsackie A/B-virussen	2 mL serum, 5 mL coagulated blood,	coagulation tube	Within 24h	2-8°C	2-3 weeks	serum pair: 1st:10 days after 1st symptoms & 2nd:after 2 weeks
CMV (Cytomegalovirus)	2 mL serum	coagulation tube	Within 24h	2-8°C	2 days	
Dengue virus	3 mL serum	coagulation tube	Within 24h	2-8°C	Elisa: 1 week antigen rapid test: 1 day	
Difteria-, tetanus- & polio-virus	unvaccinated: serumpair: 1st: pre vaccination & 2nd: 3 weeks after vaccination vaccinated:2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	2-3 weeks	If antigen titer is under the protection level, repeat test with the remark "2nd sample"
Enterovirus	2 mL serum/plasma	coagulation tube/EDTA tube	Within 24h	2-8°C	2-3 weeks	
EBV (Epstein Barr Virus) Pfeiffer disease	2 mL serum, 5 mL coagulated blood	coagulation tube	Within 24h	2-8°C	1 week	
Haemophilus influenzae (vaccination status)	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Hanta virus	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	Only in consultation with the clinical microbiologist
Helicobacter pylori	2 mL serum	coagulation tube	Within 24h	2-8°C	1 week	
Hepatitis A	2 mL serum	coagulation tube	Within 24h	2-8°C	2 days	
Hepatitis C						

Hepatitis B	2 mL serum	coagulation tube	Within 24h	2-8°C	3 days*	If HBV screening and confirmation is positive, follow up HBV markers are tested.
Hepatitis E	2 mL serum	coagulation tube	Within 24h		2-3 weeks	
HSV (Herpes Simplex Virus)	2 mL serum	coagulation tube	Within 24h	2-8°C	1 week	
HIV (Human Immunodeficiency Virus)	2 mL serum	coagulation tube	Within 24h	2-8°C	2 days	
HIV (Human Immunodeficiency Virus) Confirmation	3 mL serum	coagulation tube	Within 24h	2-8°C	1 week CITO: 1 workday	
HTLV (Human T-Lymphocyte Virus)	2 mL serum	coagulation tube	Within 24h	2-8°C	1-2 weeks	
Legionella	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Legionella pneumophila antigen rapid test	urine	sterile container	Within 24h	2-8°C	1 day	
Leishmania spp.	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Leptospirosis (Weill disease)	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Measles virus	2 mL serum, liquor	coagulation tube, sterile tube	Within 24h	2-8°C	2-3 weeks	
Mycoplasma pneumoniae	2 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Parvovirus B19	3 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Pneumococci antibodies (vaccination status)	4 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
Pneumococci antigen	urine	sterile container	Within 24h	2-8°C	1-2 days	
Rabies (Hondsdoelheid)	5 mL serum	coagulation tube	Within 24h	2-8°C	2-3 weeks	
RSV (Respiratoir Syncytieel Virus)	2 mL serum, liquor, saliva	coagulation tube, virus transport medium, sterile tube	Within 24h	2-8°C	2-3 weeks	

Rubella virus (Rode hond)	2 mL serum	coagulation tube	Within 24h	2-8°C	2 days	
Toxoplasma	3 mL serum	coagulation tube	Within 24h	2-8°C	2 days	
Treponema pallidum Screening/VDRL/FTA/Lues blot	2 mL serum	coagulation tube	Within 24h	2-8°C	1 week	CITO and neonatal options available
	2 mL serum, liquor	sterile tube				
VZV (Varicella Zoster Virus)	2 mL serum	coagulation tube, sterile tube	Within 24h	2-8°C	1 week	
Zika virus	3 mL serum	coagulation tube, sterile tube	Within 24h	2-8°C	1 week	

*Turn around time may be prolonged

