



Referring doctor/ hospital: (Stamp)

Patient: (please complete in BLOCK CAPITALS or printed label)

Name:

First Name: Date of Birth (dd/mm/yyyy):

Address:

Country: ZIP Code: City:

- outpatient
- inpatient
- male
- female
- Invoice to patient

Reference number: Sample date (dd/mm/yyyy): Time: Copy of the results to Dr. med. (HIN-sec Email):

Clinical details (please complete):

- Not available
- Fever
- Diarrhea
- Skin symptoms: _____
- Eosinophilic meningitis
- Eosinophilia: absolut ____/µl = ____% Leucocytes
- Symptoms since: _____
- Stay abroad:**
- Europe
- Africa
- Asia
- Australia
- North America
- Central America/
- South America
- Oceania
- Country/Region: _____ from _____ to _____
- Other: _____

MALARIA EMERGENCY (→ Microscopy) * ALWAYS NOTIFY by phone *****

Registration Malaria emergency:

Mo-Fr (8-17h): 061 284 82 61 (Laboratory)

Sa-Su & other: 061 284 81 44 (Medical doctor)

Rapid diagnostic test: Neg. Pos: _____

Name of the referring physician (sender): _____

Telephone of the physician (sender) reachable 24/7: _____/_____

	Microscopy					PCR							Serology				
	EDTA-Blood	Slide from sender	SAF-fixed stool	Native stool (size of an apricot)	Other	EDTA-Blood	Native stool	Fecal Swab	Nasopharyngeal Swab	Bone marrow	Tissue / Biopsy	Puncture fluid	CSF (1 ml)	Serum / Plasma (2 ml)	Nachweis \$	Serum / Plasma (2 ml)	CSF
Malaria																	
Plasmodium species acute EMERGENCY	<input type="checkbox"/>	<input type="checkbox"/>	→ Registration by telephone (see above)														
Plasmodium species non-acute ①	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>										<input type="checkbox"/>	
Plasmodium spp.																	
Screening test / Panel																	
Gastro-acute Panel PCR ② with 4 Protozoa, 13 Bacteria & 5 Viruses							<input type="checkbox"/>	<input type="checkbox"/>									
Protozoa (intestinale) panel ③			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>						
Helminth (intestinale) panel ④			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>										
Helminth screening test (Europe) incl. <i>Fasciola hepatica</i> , <i>Strongyloides</i> spp., <i>Toxocara</i> spp., <i>Trichinella spiralis</i> .																<input type="checkbox"/>	
Helminth screening test (Tropics) incl. <i>Fasciola hepatica</i> , <i>Strongyloides</i> spp., <i>Toxocara</i> spp., <i>Trichinella spiralis</i> , <i>Filaria</i> spp., <i>Schistosoma</i> spp.																<input type="checkbox"/>	
Echinococcus screening <i>E. granulosus</i> und <i>E. multilocularis</i>																<input type="checkbox"/>	<input type="checkbox"/>
Flavivirus screening panel ⑤																<input type="checkbox"/>	
Respiratory SARS-CoV-2 panel ⑥								<input type="checkbox"/>									

Order number SwissTPH

Please mark like this:

- correct
- wrong
- material not optimal for this analysis

◇ Analysis not accredited & not validated for this material.

§ Detection in serology:
ELISA: IgG, IFAT: IgG/IgM/IgA,
Western blot: IgG, or as stated
\$ Staged diagnostics, see homepage.

- ① For follow-up controls, therapy control and specific questions. Microscopy & PCR: Screening and species differentiation incl. *P. knowlesi*; Serology: no species differentiation.
- ② Gastro-acute Panel PCR: *Cryptosporidium* spp., *Cyclospora cayentanensis*, *Entamoeba histolytica*, *Giardia lamblia*, *Campylobacter* spp. (*C. jejuni/coli/upsalensis*), *Clostridium difficile* A/B, EAEC, EIEC/Shigella, EPEC, ETEC lt/st, *Plesiomonas shigelloides*, *Salmonella* spp., *STEC stx1/stx2* (shigella-like toxin producing *E. coli*), *STEC serovar O157:H7*, *Vibrio cholerae*, *Vibrio parahaemolyticus*, *Vibrio vulnificus*, *Yersinia enterocolitica*, *Adenovirus F40/41*, *Astrovirus*, *Norovirus GI/GII*, *Rotavirus A*, *Sapovirus*.
- ③ Protozoa microscopy: We recommend to send stool samples from three different days (= 3 stool samples).
Protozoa panel PCR: *Blastocystis hominis*, *Cyclospora cayentanensis*, *Cystoisospora belli*, *Cryptosporidium* spp., *Entamoeba histolytica*, *E. dispar*, *E. polecki*, *E. moshkovskii*, *Dientamoeba fragilis*, *Giardia lamblia*, *Microsporidia* spp. (*Enterocytozoon bieneusi*, *Encephalitozoon* spp., *Vittaforma corneae*).
- ④ Helminth microscopy: We recommend for optimal sensitivity native stool (min. 10g, size of an apricot). SAF-fixed stool has a poor sensitivity for trematodes.
Helminth panel PCR: *Ascaris* spp., *Ancylostoma* spp., *Enterobius vermicularis*, *Hymenolepis* spp., *Necator americanus*, *Strongyloides* spp., *Taenia* spp., *Trichuris trichuria*.
- ⑤ Flavivirus screening panel serology: Dengue (1-4), West Nile Virus, Yellow Fever Virus, FMSE, Japanese Encephalitis Virus.
- ⑥ Respiratory panel PCR: *Adenovirus*, *Bocavirus*, *Coronavirus 229E*, *Coronavirus HKU1*, *Coronavirus NL63*, *Coronavirus OC43*, *Human Metapneumovirus A+B*, *Influenza A*, *Influenza A H1N1 pdm09*, *Influenza A H3*, *Influenza B*, *Parainfluenza virus 1-4*, *Respiratory Syncytial Virus A+B*, *Rhinovirus/Enterovirus*, *SARS-CoV-2*, *Bordetella pertussis*, *Legionella pneumophila*, *Mycoplasma pneumoniae*





Please mark like this: correct wrong

Material not optimal for this analysis

	Microscopy					PCR							Serology				
	EDTA-Blood	Slide from sender	SAF-fixed stool	Native stool (size of an apricot)	Other	EDTA-Blood	Native stool	Nasopharyngeal Swab	Urine	Bone marrow	Tissue / Biopsy	Puncture fluid	CSF (1 ml)	Serum/Plasma (2 ml)	Method §	Serum / Plasma 2 ml	CSF
Helminths																	
Angiostrongylus cantonensis *																	
Anisakis spp.*																	
Echinococcus granulosus																	
Echinococcus multilocularis																	
Enterobius vermicularis		<input type="checkbox"/>															
Fasciola hepatica (distomatosis)																	
Filariae spp.	<input type="checkbox"/>	<input type="checkbox"/>															
- Brugia malayi / B. timori															IgG4		
- Wuchereria bancrofti *															Antigen		
Gnathostoma spp.*																	
Paragonimus spp.*																	
Schistosoma spp. (Bilharziose)																	
Strongyloides spp.																	
Toxocara spp.																	
Trichinella spiralis																	
T. solium (Cysticercosis) - Antibodies															Ab		
- Antigen ⑤															Antigen		
Protozoa																	
Acanthamoeba spp. f																	
Bloodparasites (Babesiose, Anaplasma, Ehrlichiosis)	<input type="checkbox"/>	<input type="checkbox"/>															
Blastocystis hominis																	
Coccidia spp.																	
Cryptosporidium spp., Cyclospora sp., Cystoisospora belli																	
Dientamoeba fragilis																	
Entamoeba spp. ⑥																	
Giardia lamblia																	
Leishmania spp. ⑦: - visceral																	
- (muco)-cutan																	
Microsporidia spp.																	
E. bienersi, Encephalitozoon spp., Vitiiforma corneae																	
Trypanosoma brucei (sleeping sickness (African Trypanosomes))	<input type="checkbox"/>																
Trypanosoma cruzi (Chagas (American Trypanosomes))	<input type="checkbox"/>																
Bacteria																	
Borrelia spp. (Relapsing-Fever)	<input type="checkbox"/>	<input type="checkbox"/>															
Brucella spp. f																	
Burkholderia pseudomallei f																	
Coxiella burnetii (Q-Fever) Phase I u. II f																	
Leptospira spp. ⑨																	
Mycobacterium leprae (Leprosy) ⑩																	
Mycobacterium ulcerans * (Buruli Ulcer) ⑪																	
Orientia tsutsugamushi f																	
Rickettsia spp. ⑫																	
Viral diseases																	
Flavivirus screening panel ⑬																	
Chikungunya Virus																	
Dengue Virus																	
Japanese Encephalitis Virus																	
West Nile Virus																	
Yellow Fever Virus																	
Zika Virus																	
SARS-CoV-2 (separate order form)																	

- Microscopy Enterobius: Anal adhesive tape test (please attach the transparent adhesive tape to a slide and send it to the Swiss TPH).
- Filaria: Please be aware of the circadian rhythm of the microfilaria in the blood. Blood collection Loa Loa = midday; Blood collection lymphatic filariasis = around midnight.
- Detection of Schistosoma eggs in urine: send urine collection from morning (from 10⁰⁰-14⁰⁰ a.m.). Amount of urine: 100 ml-2 L. Detection of Schistosoma antigen in urine is not recommend as sole diagnostic because of limited sensitivity and specificity. Detection of Schistosoma eggs in biopsy (rectum mucosa, bladder mucosa, liver tissue). Dedection of ccfDNA in Serum, please send at least 2ml Serum.
- Baermann and culture for Strongyloides spp. stool should not be cooled (<10°C). We recommend PCR during winter month. Amount of stool: at least the size of an apricot.
- T. solium antigen detection (ELISA) for therapy control in case of > 2 vital cysticerci.
- Microscopy Entamoeba: no species-differentiation possible. PCR: E. histolytica, E. dispar, E. polecki, E. moshkovskii differentiation. Serology: E. histolytica, recommended if there is suspicion of a liver abscess.
- Visceral leishmaniasis: e.g. bone marrow (also spleen biopsy, EDTA-blood, etc.) (Muco-/ cutan leishmaniasis: biopsy-cylinder ≥ 3mm in the periphery of the lesion (infected macrophages). PCR species differentiation by HSP70 sequence analysis.
- Under the microscope we can only detect Spirochaeta. A dedection of the species is not possible.
- Leptospira spp. PCR: blood (detection 1st week p.i.), urine (detection 2nd-3rd week p.i.). Please always send blood & urine together. Serology: indicated earliest one week after onset of disease. Positive serological results will be confirmed externally.
- Mycobacterium leprae: Slit-skin-smear (biopsy) e.g. ear lobe or skin lesion. Microscopy: detection of acid fast mycobacteria.
- Mycobacterium ulcerans: please send several cotton swabs of the lesion.
- Rickettsia spp. : PCR detects tick bite fever and spotted fever.
- Falvivirus screening panel serology: Dengue (1-4), West Nile Virus, Yellow Fever Virus, FMSE, Japanese Encephalitis Virus.
- Worm and/or worm tissue (e.g. proglottids) please send in 0.9% sodium chloride, never fix with formalin.

§ Detection in serology: ELISA: IgG, IFAT: IgG/IgM/IgA, Western blot: IgG, Ab: antibodies Rapid diagnostic test: IgM/IgG and antigen, or as stated.

* Analysis not accredited. ◇ Analysis not accredited & not validated for this material.

f Analysis is performed externally.

§ Staged diagnostics, see homepage.

Parasit identification:

Macro-/ mikroskopy: material ⑭ & origin: _____
 PCR: for helminth differentiation (tissue of the helminth needed ⑭)

