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CATALOG 2023

Laboratory tests performed at IPC

Accreditation N°8-4170
Scope available
on www.cofrac.fr

Analyses in the accreditation scope are identified by the symbol ☒

ⓘ : www.pasteur-kh.org

✉ : accueil@pasteur-kh.org

☎ : 012 812 003

All tests in this catalogue are performed at Institut Pasteur du Cambodge.

Tests in Specialized Clinical Pathology, Genetics and Cytogenetics unavailable in Cambodia can be sent to Cerba Laboratory, France (a range of over 1,300 biological parameters tested).

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PRACTICAL INFORMATION:

Institut Pasteur du Cambodge

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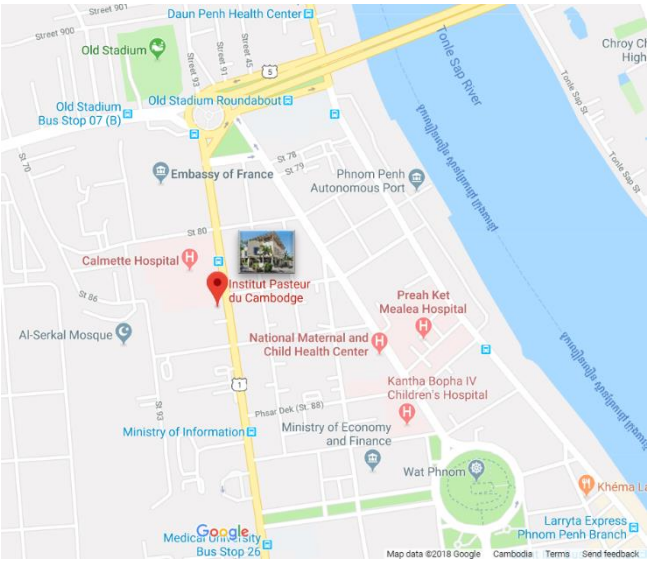

PUBLIC RECEPTION:

Monday to Friday: 7:00 AM to 5:00 PM
Saturday: 7:00 AM to 11:30 AM
And during some public holidays, from 7.00 a.m. to 11.30 a.m. ("Special Opening Hours"), notify by email.

MANAGEMENT:

Head of Laboratory	**Dr Bertrand GUILLARD** bguillard@pasteur-kh.org
Mycobacteriology (Deputy Head of Laboratory)	**Dr Sokleaph CHENG** csokleaph@pasteur-kh.org
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Customer Service Responsible	**Ms Kheng Phally NONG** phally@pasteur-kh.org
Senior nurse	**Ms Sokuntheary KEO** ktheary@pasteur-kh.org

HEMATOLOGY

Code	Analysis	Delay	Tube		Sample	Cost (USD)
CYTO	☒ Blood smear (1)	1 day		Plasma (EDTA)	Venous blood	7.05
EHB	Hemoglobin capillary electrophoresis (2)	3 days		Plasma (EDTA)	Venous blood	19.35
G6P	Glucose-6-phosphate dehydrogenase (1)	3 days		Plasma (EDTA)	Venous blood	10.05
GR	Blood group ABO and Rhesus	1 day		Plasma (EDTA)	Venous blood	7.65
MYEL	Myelogram (1)	1 day	Smear slides		Bone marrow	16.50
NFP	☒ Complete Blood Count (CBC)	1 day		Plasma (EDTA)	Venous blood	8.55
T4T8	CD4/CD8 lymphocyte count	1 day		Plasma (EDTA)	Venous blood	45.15
RETI	☒ Reticulocytes (1)	1 day		Plasma (EDTA)	Venous blood	7.05
VS	Erythrocyte Sedimentation Rate (ESR)	1 day		Plasma (EDTA)	Venous blood	6.90
TCK	Activated Partial Thromboplastin Time (APTT)	1 day		Plasma (citrate)	Venous blood	12.60
TP	Prothrombin Time (PT)	1 day		Plasma (citrate)	Venous blood	9.15
TS	Bleeding time	1 day	Done at IPC			6.30
PALU	Diagnosis of Malaria (Blood smear + RDT) (1)	1 day		Plasma (EDTA)	Venous blood	8.70
FILA	Diagnosis of Filariasis (Blood smear) (1)	1 day		Plasma (EDTA)	Venous blood	7.05

MISCELLANEOUS

Code	Analysis	Delay	Tube	Sample	Cost (USD)
SPER	Semen analysis	1 day	Bottle	Sperm	14.70
SPEU	Detection of semen in urine	1 day	Bottle	Urine	14.70

(1) For any request for CYTO, G6P, MYEL, RETI, FILA and PALU, a blood count (CBC/NFS) will systematically be performed and billed in order to calculate/interpret the requested analysis.

(2) For Electrophoresis Hemoglobin Test: Mention the patient's age, CBC result, ferritin, origin of the patient and the context of prescription in order that the result can be produced with conclusion. In case of transfusion context, blood sample should be collected at least 3 months after the last blood transfusion.

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BIOCHEMISTRY

Code	Analysis	Delay	Tube		Sample	Cost (USD)
CAPH	Calcium and Phosphorus	1 day		Plasma (heparinate)	Venous blood, fasting	11.10
CA	☒ Calcium	1 day		Plasma (heparinate)	Venous blood, fasting	7.50
PHO	Phosphorus	1 day		Plasma (heparinate)	Venous blood	7.50
ION	Electrolytes (Na+, K+, Cl-)	1 day		Plasma (heparinate)	Venous blood	13.05
LACT	☒ Lactic acid	1 day		Plasma (fluor)	Venous blood	10.05
MG	☒ Magnesium	1 day		Plasma (heparinate)	Venous blood	7.50
PLIP	☒ Lipid profile (TC, LDL-C, HDL-C, TG)	1 day		Plasma (heparinate)	Venous blood, fasting	10.05
C	☒ Total cholesterol	1 day		Plasma (heparinate)	Venous blood, fasting	4.20
HDL	☒ Cholesterol HDL fraction, calculated LDL fraction	1 day		Plasma (heparinate)	Venous blood, fasting	6.45
T	☒ Triglycerides	1 day		Plasma (heparinate)	Venous blood, fasting	6.00
G	☒ Fasting Blood sugar	1 day		Plasma (fluor)	Venous blood, fasting	5.85
GPP	☒ After meal Blood sugar	1 day		Plasma (fluor)	Venous blood	5.85
GU24	Glucose - urine	1 day	24h urine container		24h urine	4.05
HGPO	☒ Oral glucose tolerance test	1 day		Plasma (fluor)	Venous blood, fasting	13.20
GO50	☒ Screening of gestational diabetes	1 day		Plasma (fluor)	Venous blood, fasting	13.20
GO75	☒ Gestational diabetes diagnosis	1 day		Plasma (fluor)	Venous blood, fasting	15.00
G100	☒ Gestational diabetes confirmation	1 day		Plasma (fluor)	Venous blood, fasting	24.60
HBA1	Glycosylated hemoglobin (HbA1c)	1 day		Plasma (EDTA)	Venous blood	10.05
ALB	☒ Albumin	1 day		Plasma (heparinate)	Venous blood	6.00
EPT	Serum protein electrophoresis	3 days		Serum	Venous blood	28.95
PROT	☒ Total protein	1 day		Plasma (heparinate)	Venous blood	6.00
PU24	Proteinuria	1 day	24h urine container		24h urine	7.80
HEP	☒ Liver panel (GOT-GPT-GGT-PAL-BITC-ALB)	1 day		Plasma (heparinate)	Venous blood	30.90
BITC	☒ Total and conjugated bilirubin	1 day		Plasma (heparinate)	Venous blood	6.00
BILI	☒ Total Bilirubin	1 day		Plasma (heparinate)	Venous blood	6.00
GGT	☒ Gamma Glutamyl Transferase (GGT)	1 day		Plasma (heparinate)	Venous blood	6.00
GOT	☒ Transaminase AST / SGOT	1 day		Plasma (heparinate)	Venous blood	6.00
GPT	☒ Transaminase ALT / SGPT	1 day		Plasma (heparinate)	Venous blood	6.00
PAL	☒ Alkaline phosphatase (ALP)	1 day		Plasma (heparinate)	Venous blood	6.00

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TRAS	☒ Transaminase (SGPT - SGOT)	1 day		Plasma (heparinate)	Venous blood	10.35
FE	☒ Iron	1 day		Plasma (heparinate)	Venous blood	6.00
TRAN	☒ Transferrin	1 day		Plasma (heparinate)	Venous blood	6.00
FERR	☒ Ferritin	1 day		Serum	Venous blood	13.65
AU	☒ Uric Acid	1 day		Plasma (heparinate)	Venous blood	6.00
CREA	☒ Creatinine + eGFR (MDRD)	1 day		Plasma (heparinate)	Venous blood	6.00
CREU	Creatinine - urine	1 day	24h urine container		24h urine	6.00
UR	☒ Blood urea nitrogen (BUN)	1 day		Plasma (heparinate)	Venous blood	6.00
ACE	☒ CEA (Carcino-embryonic antigen)	1 day		Serum	Venous blood	20.10
AFP	☒ AFP (Alpha Fetoprotein)	1 day		Serum	Venous blood	15.75
C153	☒ CA 15-3	1 day		Serum	Venous blood	41.55
C199	☒ CA 19-9	1 day		Serum	Venous blood	39.75
C125	☒ CA 125	1 day		Serum	Venous blood	41.55
C724	☒ CA 72-4	1 day		Serum	Venous blood	41.55
PSA	☒ PSA: Total, Free and ratio	1 day		Serum	Venous blood	19.95
CORT	☒ Cortisol	1 day		Serum	Venous blood	25.50
FSH	☒ FSH (Follicle Stimulating Hormone)	1 day		Serum	Venous blood	19.95
HCG	☒ β-HCG	1 day		Serum	Venous blood	16.05
LH	☒ LH (Luteinizing Hormone)	1 day		Serum	Venous blood	22.35
OEST	☒ Estradiol	1 day		Serum	Venous blood	20.85
PROG	☒ Progesterone	1 day		Serum	Venous blood	19.95
PROL	☒ Prolactin	1 day		Serum	Venous blood	25.05
THYR	☒ Thyroid test (FT3 - FT4 - TSH)	1 day		Serum	Venous blood	23.70
TSH4	☒ Thyroid test (FT4 - TSH)	1 day		Serum	Venous blood	18.15
T3L	☒ FT3 (Free tri-iodothyronine)	1 day		Serum	Venous blood	9.45
T4L	☒ FT4 (Free thyroxine)	1 day		Serum	Venous blood	9.45
TSH	☒ TSH (Thyroid Stimulating Hormone)	1 day		Serum	Venous blood	15.15
CPK	☒ Creatine kinase (CK)	1 day		Plasma (heparinate)	Venous blood	7.05
LDH	☒ Lactate Dehydrogenase (LDH)	1 day		Plasma (heparinate)	Venous blood	7.05
IGET	☒ Total Immunoglobulin E	1 day		Serum	Venous blood	22.65
VB9	☒ Vitamin B9 (Folic acid)	1 day		Serum	Venous blood	28.65

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B12	☒ Vitamin B12	1 day		Serum	Venous blood	24.60
VITD	☒ Vitamin D	1 day		Serum	Venous blood	60.00
LIPA	☒ Lipase	1 day		Plasma (heparinate)	Venous blood	10.05
CRP	☒ C Reactive Protein (CRP)	1 day		Plasma (heparinate)	Venous blood	9.75
CHPO	Body fluid biochemistry	1 day	Sterile dry tube		Body fluid	9.00
CHLC	CSF biochemistry	1 day	Sterile dry tube		CSF	9.00

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IMMUNO-SEROLOGY

Code	Analysis	Delay	Tube		Sample	Cost (USD)
HAM	☒ Anti-HAV IgM antibodies	1 day		Serum	Venous blood	19.95
HAV	☒ Anti-HAV total antibodies	1 day		Serum	Venous blood	16.65
DHBV	☒ Hepatitis B screening (Ag HBs - anti HBs - anti-HBc)	1 day		Serum	Venous blood	25.65
SHBV	☒ Follow-up Hepatitis B (Anti HBe - Ag HBe)	1 day		Serum	Venous blood	26.70
GHBV	☒ Follow-up Hepatitis B (Ag HBs - anti HBs)	1 day		Serum	Venous blood	14.40
HBS	☒ Detection of HBs antigen	1 day		Serum	Venous blood	10.80
AHBQ	☒ Detection of anti-HBs antibodies	1 day		Serum	Venous blood	10.80
HBC	☒ Detection of anti-HBc total antibodies	1 day		Serum	Venous blood	15.15
AHBC	☒ Detection of anti-HBc IgM antibodies	1 day		Serum	Venous blood	25.05
HBE	☒ Detection of HBe antigen	1 day		Serum	Venous blood	15.75
ACBE	☒ Detection of anti-HBe antibodies	1 day		Serum	Venous blood	15.90
HPC	☒ Anti-HCV antibodies	1 day		Serum	Venous blood	12.30
VIH	☒ Anti-HIV 1/2 antibodies and p24 antigen	1 day		Serum	Venous blood	13.50
HIWB	HIV confirmation test (Western Blot)	1 day		Serum	Venous blood	88.80
MST	☒ Hepatitis C, HIV and syphilis serology test	1 day		Serum	Venous blood	28.20
PREG	☒ Serology during pregnancy (Toxo, Rubella, HIV and syphilis)	1 day		Serum	Venous blood	77.70
AMEX	Amoebiasis screening (Latex agglutination)	1 day		Serum	Venous blood	31.50
SYPH	☒ Syphilis Diagnosis	1 day		Serum	Venous blood	7.95
CMV	☒ Cytomegalovirus (IgG+IgM)	1 day		Serum	Venous blood	59.40
RBM	☒ Rubella (IgG+IgM)	1 day		Serum	Venous blood	33.90
TOXO	☒ Toxoplasmosis (IgG+IgM)	1 day		Serum	Venous blood	34.05
WIDA	Typhoid: Serodiagnosis of Widal	1 day		Serum	Venous blood	15.75
FR	Rheumatoid factor	1 day		Serum	Venous blood	9.75
ASO	Antistreptolysine-O (ASLO)	1 day		Serum	Venous blood	10.80
DENG	Dengue Fever rapid Test (NS1-IgM-IgG)	1 day		Serum	Venous blood	15.15
CVSR	COVID-19 Coronavirus Serology	1 day		Serum	Venous blood	60.00

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MICROBIOLOGY

Code	Analysis	Delay	Tube	Sample	Cost (USD)
BAID	Bacterial identification by Maldi-TOF	1 day	Bacterial strain		7.50
BACD	Direct smear (Gram)	1 day	Swab, syringe, sterile tube	Miscellaneous specimens	10.95
BAC	Bacterial culture + direct smear	4 days	Swab, syringe, sterile tube	Miscellaneous specimens	18.00
BACA	Blood culture / Aerobic	1 week	Bottle	Venous blood	25.05
BACN	Blood culture / Anaerobic	1 week	Bottle	Venous blood	25.05
BACP	Blood culture / Pediatric	1 week	Bottle	Venous blood	25.05
CYTU	Urine Cytology	1 day	Bottle	Urine	10.35
ECBU	Urine Culture and cytology	3 days	Bottle	Urine	16.50
ORL	Throat, ear, nose or eye specimen culture	4 days	Swab	Throat, eye, ear, nose	22.35
ASPI	Pulmonary specimens	4 days	Sterile container	Sputum, BAL fluid, Bronchial aspiration	25.05
TRSA	Rapid detection of group A Streptococcus	1 day	Swab	Throat swab	18.00
VAGI	Vaginal specimen	4 days	Swab	Vaginal	27.15
URET	Urethral specimen	4 days	Swab	Urethral	25.65
SPEC	Sperm culture	4 days	Pot	Sperm	25.80
MYFA	Detection of Urogenital Mycoplasma	2 days	Pot, swab	First urine (male) Genital (female)	18.45
COPR	Stool culture	4 days	Pot	Stool	21.45
DPYL	Detection of *Helicobacter pylori* antigen in stool	1 day	Pot	Stool	11.55
CDIF	☒ Detection of Toxin producing *C. difficile* by PCR	1 day	Pot	Stool	38.25
BMR	Detection of multi-drug resistant bacteria	3 days	Swab	Nasal, Rectal	21.60
CCPO	Body fluid/CSF Cytology	1 day	Sterile container	Body fluid, CSF	7.50
BACL	Body fluid culture	3 – 6 days	Sterile container	Body fluid, CSF	19.95
MYCD	Mycology direct smear	1 day	Sterile container	Skin, Nail, Hair and miscellaneous	13.05
MYCC	Mycology direct smear + culture	14 – 28 days	Sterile container	Skin, Nail, Hair and miscellaneous	24.00
AGS	Detection of *Cryptococcus neoformans*	1 day	Serum	Serum , CFS, BAL	17.70
ROTA	Detection of Rotavirus and Adenovirus in stool	1 day	Pot	Stool	15.15
PCAR	Detection of *Pneumocytis jirovecii* by IF	2 days	Sterile container	Sputum, BAL	33.15
PARL	Detection of parasites in body fluids	1 day	Sterile container	Miscellaneous body fluid (BAL, pleural)	12.00
PARA	Stool Parasitology	1 day	Pot	Stool	12.00

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Code	Analysis	Delay	Tube		Sample	Cost (USD)
CRYP	Detection of *Cryptosporidium* in stool	1 day	Pot		Stool	21.45
SGS	Qualitative detection of hemoglobin in stool	1 day	Pot		Stool	13.05
CHUR	Urine reagent strip (Urinalysis)	1 day	Bottle		Morning urine	4.05
LEPT	Leptospirosis serology (IgM) by ELISA	1 week		Serum	Venous blood	14.25
RT19	COVID-19 Rapid Diagnostic Test (RDT)	30 minutes	Nasopharyngeal swab			30.00

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MYCOBACTERIOLOGY

Code	Analysis	Delay	Sample	Cost (USD)
BKED BKD	☒ Direct Smear	1 day	Miscellaneous specimens (except blood)	5.55
BKC BKS	Culture (solid and liquid media) and identification	2 months	Miscellaneous specimens (except blood)	21.45
ABBK	First line drug susceptibility testing of *M. tuberculosis* (Isoniazid, Rifampicin, Streptomycin, Ethambutol)	1 month	Bacterial strain	50.10
DST2	Second line drug susceptibility testing of *M. tuberculosis* (Amikacin, Capreomycin, Kanamycin, Ofloxacin)	1 month	Bacterial strain	60.00
XPER	☒ GeneXpert MTB/RIF Ultra, CEPHEID *M. tuberculosis* and rifampicin resistance detection by RT-PCR	1 day	Miscellaneous specimens (except blood)	25.05
MTB2	Genotype® Mycobacterium CM VER 2.0 Identification of the 13 clinical most relevant nontuberculous mycobacteria species	1 week	Bacterial strain	46.35
MTB3	Genotype® MTBC Differentiation of *Mycobacterium tuberculosis* complex	1 week	Bacterial strain	41.55
MTB4	Genotype® Mycobacterium AS Identification of 16 other nontuberculous mycobacteria species	1 week	Bacterial strain	56.85
MTB6	Genotype® MTBDRsl VER 2.0 Identification of resistance of *M. tuberculosis* complex to FQs and glycoaminosides	1 week	Culture or specimen if direct smear positive	57.45
MTBR	Genotype® MTBDRplus VER 2.0 Identification of resistance of *M. tuberculosis* complex to INH/RIF	1 week	Culture or specimen if direct smear positive	38.55
NTMR	Genotype® NTM-DR VER 1.0 Detection of resistance to macrolides and aminoglycosides in various clinically relevant NTM	1 week	Bacterial strain	56.85

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MOLECULAR BIOLOGY

Code	Analysis	Delay	Tube		Sample	Cost (USD)
VLHB	Hepatitis B Viral Load	1 week		Plasma (EDTA)	Venous blood	42.00
VLHC	Hepatitis C Viral Load	1 week		Plasma (EDTA)	Venous blood	42.00
VLHI	HIV Viral Load	1 week		Plasma (EDTA)	Venous blood	42.00
HDR1	HIV resistance Mutation : 1st line	1 month		Plasma (EDTA)	Venous blood	54.60
HDR2	HIV resistance Mutation : 2nde line	1 month		Plasma (EDTA)	Venous blood	79.35
HDR3	HIV resistance Mutation : 3rd line	1 month		Plasma (EDTA)	Venous blood	107.10
BDR1	HBV resistance	1 month		Plasma (EDTA)	Venous blood	60.00
NS5	HCV genotype	1 month		Plasma (EDTA)	Venous blood	75.45
CV19	Detection of SARS-CoV-2 (COVID-19) (RT-PCR) on Cobas	1 day	Nasopharyngeal swab			50.00
XCOV	☒ Detection of SARS-CoV-2 (COVID-19) (RT-PCR) on GeneXpert	1 day	Nasopharyngeal swab			50.00
XRV	☒ Combined detection of SARS-CoV-2, Flu and RSV (RT-PCR)	1 day	Nasopharyngeal swab			70.00
CTNG	☒ Detection *Chlamydia trachomatis*/*Neisseria gonorrhoeae* (RT-PCR)	1 day	First catch urine (men) or swab (vaginal, urethral, throat, anal)			39.00
PHPV	☒ Detection of high-risk Human Papillomavirus (RT-PCR)	1 day	Cervical or anal swab, skin lesion, biopsy			39.00
ZDC	Combined detection of Dengue / Zika / Chikungunya (RT-PCR)	2 days		Plasma (EDTA)	Venous blood	54.00
LPCR	Diagnosis of Leptospirosis (RT-PCR)	2 days		Serum	Venous blood	31.65
BCRA	BCR-ABL transcript quantification	1 day		Plasma (EDTA)	Venous blood	96.00

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