

File n°: 2411041005 created on: 04.11.2024
Collection date and time: 04.11.2024 / 07:11
Printed on: 04.11.2024 / 13:11
Final report

Institut Pasteur du Cambodge
DR PHOUNG VISETH
No. 5 Monivong Boulevard, Phnom Penh

SEM Srep
01.01.1969 / F
TAKEO

HEMATOLOGY

	Results	Reference range*	Antecedents
► COMPLETE BLOOD COUNT (CBC) (Cytochemistry-Impedance and Optical, Whole Blood-EDTA, Pentra 80XL, Horiba) (Reference range: Hematocell.fr (CHU - Angers, France)/ Full blood count normal reference values according to age)			
White blood cells	4,6 G/L	(3,8 - 11,0)	
Red blood cells	3,55 T/L	(3,8 - 5,4)	
Hemoglobin	11,1 g/dL	(12 - 16)	
Hematocrit	34,1 %	(37 - 47)	
M.C.V. (Volume)	96 fL	(80 - 95)	
M.C.H. (Hemoglobin)	31,3 pg	(24,4 - 34)	
M.C.H.C. (Hb concentration)	32,6 %	(32 - 36)	
Comment: Anemia.			
► LEUKOCYTE DIFFERENTIAL COUNT			
Neutrophils	44,8 %	2,06 G/L	(1,5 - 7)
Eosinophils	3,2 %	0,15 G/L	(< 0,50)
Basophils	0,6 %	0,03 G/L	(0 - 0,11)
Lymphocytes	43,9 %	2,02 G/L	(1,5 - 4)
Monocytes	7,5 %	0,35 G/L	(0,15 - 1,0)

Platelets 131 G/L (150 - 450)

Comment: Thrombocytopenia.

BLOOD BIOCHEMISTRY

	Results	Reference range*	Antecedents
► Fasting Blood Sugar (Plasma, Colorimetry, Pentra C400, HORIBA)			
	4,85 mmol/L	(4,10 - 5,90)	
	0,87 g/L	(0,74 - 1,06)	



Medical Examinations
NF EN ISO 15189, Accreditation N°8-4170
Scope available on www.cofrac.fr
Analysis in the accreditation scope
are identified by the symbol ►

[Signature]

Validated by: Charya SITH
On 04.11.2024 / 13:11

* Except when otherwise indicated, the biological reference values are provided by the manufacturer.
In the framework of scientific research in biomedical and public health in Cambodia, your samples or their by-products
may be used for further analysis, unless you express your opposition.

SEM SREP
01.01.1969 / F

Must be considered diabetic, anyone who on 2 occasions and after at least 8 hours of fasting, has a fasting blood glucose greater than 1.26 g/L (7 mmol/L). In pregnant women, fasting blood glucose should be less than 0.92 g/L (5.1 mmol/L) (reference: WHO).

► **LIPID PROFILE**

(Plasma, Colorimetry, Pentra C400, HORIBA)

Appearance of serum

Aspect

Limpid

12h fasting

Fasting before sampling

Respected

Reference values are for a strict 12-hour fast

► **Total Cholesterol**

7,12 mmol/L (< 5,18)

2,76 g/L (< 2,00)

► **HDL Cholesterol**

2,03 mmol/L (0,77 - 2,19)

0,79 g/L (0,30 - 0,85)

Cardiovascular risk score (Atherogenic index)

3,51

Cholesterol Total/HDL	MEN	< 4,97 no risk 4,97 < Risk x2 < 9,50 > 9,50 Risk x3	WOMEN	< 4,44 no risk 4,44 < Risk x2 < 7,00 > 7,00 Risk x3
--------------------------	-----	---	-------	---

► **Calculated LDL cholesterol**

(Friedewald's formula)

4,19 mmol/L (< 4,14)

1,62 g/L (< 1,61)

► **Triglycerides**

1,99 mmol/L (< 1,71)

1,74 g/L (< 1,50)

Conclusion:

Mixed dyslipidemia.

ENZYMOLOGY

► **Gamma-Glutamyl Transferase (GGT)**

(Plasma, Colorimetry, Pentra C400, HORIBA)

Results Reference range* Antecedents

348 U/L (< 39)

► **Aspartate Amino Transferase (SGOT)**

(Plasma, Colorimetry, Pentra C400, HORIBA)

182 U/L (< 31)



Medical Examinations
NF EN ISO 15189, Accreditation N°8-4170
Scope available on www.cofrac.fr
Analysis in the accreditation scope
are identified by the symbol ►

[Signature]

Validated by: Charya SITH
On 04.11.2024 / 13:11

* Except when otherwise indicated, the biological reference values are provided by the manufacturer.
In the framework of scientific research in biomedical and public health in Cambodia, your samples or their by-products
may be used for further analysis, unless you express your opposition.

► **Alanine Amino Transferase (SGPT)**
(Plasma, Colorimetry, Pentra C400, HORIBA)

117 U/L (< 35)

SEROLOGY

► **HEPATITIS B (HBV) SEROLOGY**
(Serum, ECLIA, Elecsys e411, ROCHE)

Detection of HBs antigen: Negative
Index: 0,47 COI
Interpretation: index < 0.90 : Negative; index ≥ 0.90 to < 1.0 : Borderline; index ≥ 1.0 : Positive

Detection of anti-HBs antibodies: Negative
Value: $< 10,00$ UI/L
Interpretation: result < 10 : Negative; result ≥ 10 : Positive

Conclusion:
Screening for hepatitis B virus negative, absence of protective immunity.

► **HEPATITIS C (HCV) SEROLOGY**
(Serum, ECLIA, Elecsys e411, ROCHE)

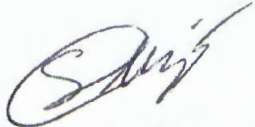
Detection of anti-HCV antibodies: Negative
Index: 0,06 COI
Interpretation: index < 0.90 : Negative; index ≥ 0.90 to < 1.0 : Borderline; index ≥ 1.0 : Positive

Conclusion:
Negative serology, repeat the test in 3 months if recent infection suspected.



Medical Examinations
NF EN ISO 15189, Accreditation N°8-4170
Scope available on www.cofrac.fr
Analysis in the accreditation scope
are identified by the symbol ►

* Except when otherwise indicated, the biological reference values are provided by the manufacturer.
In the framework of scientific research in biomedical and public health in Cambodia, your samples or their by-products
may be used for further analysis, unless you express your opposition.


Validated by: Charya SITH
On 04.11.2024 / 13:11