

Analysis report

Date of print: 2/15/2024 04:58 PM

Name : Doe Initials : J.
 D.o.b. : 02/06/1984 Sex : Male
 Pat. No. : 105377 Applicant : M Attya, Ph.D.
 Institute : Vital Health Diagnostics
 Depart. :



Applicant VHD
 Appoint. date 2/15/24
 Appoint. time 04:32 PM
 Appoint. No. 283321

Unit Ref. Range

HEMATOLOGY

Complete blood count (CBC)

WBC	5.2	x10 ⁹ /L	4.0 - 10.0
RBC	4.80	x10 ¹² /l	4.10 - 6.00
Hematocrit	0.44	l/l	0.38 - 0.49
MCH	1.67	fmol	1.70 - 2.10
MCV	95	fL	87 - 98
MCHC	18.2	mmol/l	19.0 - 22.0
RDW	13.5	%	11.0 - 15.0
Platelets	225	x10 ⁹ /L	160 - 350
Hemoglobin	8.0	mmol/l	7.5 - 9.7

ELEMENTS IN WHOLE BLOOD

Sodium	1850	mg/l	1820 - 2050
Potassium	1854	mg/l	1670 - 1970
Calcium	49.0	mg/l	48.0 - 61.0
Magnesium	32.1	mg/l	34.0 - 48.0
Zinc	5.7	mg/l	5.3 - 6.5
Copper	0.8	mg/l	0.8 - 1.3
Selenium	0.110	mg/l	0.120 - 0.410
Manganese	11.0	µg/l	14.0 - 37.0
Chromium	0.3	µg/l	0.2 - 1.6
Cobalt	0.09	µg/l	0.06 - 0.72
Molybdenum	0.5	µg/l	0.4 - 1.9
Vanadium	0.07	µg/l	0.04 - 0.08

TOXIC ELEMENTS

Aluminium	14.0	µg/l	<= 17.0
Arsenic	5.3	µg/l	<= 3.1
Cadmium	0.20	µg/l	<= 2.30
Gold	<0.05	µg/L	<= 0.30
Mercury (Organic / Inorganic)	3.5	ng/mL	<= 2.0
Lead	19.5	µg/l	<= 60.0
Nickel	0.5	µg/l	0.4 - 0.8
Thallium	<0.2	µg/l	< 0.6

ELEMENTS IN SERUM

Potassium	157	mg/l	144 - 188
Calcium	89	mg/l	87 - 106

Analysis report

Date of print: 2/15/2024 04:58 PM

Name : Doe Initials : J.
 D.o.b. : 02/06/1984 Sex : Male
 Pat. No. : 105377 Applicant : M Attya, Ph.D.
 Institute : Vital Health Diagnostics
 Depart. :



Applicant VHD
 Appoint. date 2/15/24
 Appoint. time 04:32 PM
 Appoint. No. 283321

Unit Ref. Range

ELEMENTS IN SERUM (continued from page 1)

Magnesium	19.2	mg/l	19.0 - 24.0
Zinc	1.2	mg/l	0.8 - 1.4
Copper	0.9	mg/l	0.7 - 1.4
Selenium	0.078	mg/l	0.080 - 0.300
Cobalt	0.2	µg/l	0.1 - 0.9
Molybdenum	0.8	µg/l	0.5 - 3.2

TOXIC ELEMENTS

Cadmium	<0.02	µg/L	<= 0.03
Gold	0.00	µg/L	<= 0.20

INTRACELLULAR CONCENTRATION

Zinc	11.4	mg/l	10.5 - 13.7
Magnesium	48.5	mg/l	52.0 - 80.0
Copper	0.7	mg/l	0.7 - 1.3
Sodium	<100	mg/l	<= 665
Potassium	4014	mg/l	3350 - 4500
Molybdenum	0.1	µg/l	0.6 - 2.1
Selenium	0.151	mg/l	0.170 - 0.550
Zinc/Copper	17.0	ratio	9.0 - 16.0

TOXIC ELEMENTS INTRACELLULAR

Cadmium	0.5	µg/l	<= 5.5
Lead	44	µg/l	<= 106