

واحدهای اندازه گیری آزمایشات

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Source : pagana

CBC

- ▶ **RBC** : (x1000000/ μ L) » Male:4.7-6.1/Female:4.2-5.4
- ▶ **WBC** : 4.3-10.8 (x1000/ μ L)
- ▶ **PLT** : 150-350 (x1000/ μ L)
- ▶ **Hb** : g/dL » Male : 14-18 / Female : 12-16
- ▶ **HCT** : % » Male : 42-52 / Female : 37-47
- ▶ **MCV** : 80-95 fL
- ▶ **MCH** : 27-31 pg
- ▶ **MCHC** : 32-36 g/dL

Liver

- ▶ **AST : 0-35 U/L**
- ▶ **ALT : 4-36 U/L**
- ▶ **ALP : 30-120 U/L**
- ▶ **Bilirubin Total :0.3-1 mg/dL**
- ▶ **Bilirubin Indirect : 0.2-0.8 mg/dL**
- ▶ **Bilirubin direct : 0.1-0.3 mg/dL**
- ▶ **GGT : U/L**
 - >45y : 8-38
 - <45y : 5-27

Kidney

- ▶ **BUN : 10-20 mg/dL**
- ▶ **Creatinine : mg/dL**
Male : 0.6-1.2
Female : 0.5-1
- ▶ **EPO : 5-35 U/L**

Thyroid & Parathyroid

- ▶ **T3** : 70-205 ng/dL
- ▶ **T4** : 0.8-2.8 ng/dL
- ▶ **TSH** : 0.3-5 μ U/mL
- ▶ **Thyroglobulin** : ng/mL

Male : 0.5-53

Female : 0.5-43

- ▶ **Calcitonin** : pg/mL

Male : \leq 19

Female : \leq 14

- ▶ **PTH** : 10-65 ng/dL

Glucose

- ▶ **FBS : 70-110 mg/dL**
- ▶ **2hpp : <140 mg/dL**
- ▶ **HbA1c : 4-5.9 %**
- ▶ **Insulin : 6-26 μ U/mL**
- ▶ **Glucagon : 500-1000 pg/mL**

Lipid profile

▶ **HDL** : mg/dL

Male : > 45

Female : > 55

▶ **LDL** : <130 mg/dL

▶ **VLDL** : 7-32 mg/dL

▶ **Triglyceride** : mg/dL

Male : 40-160

Female : 35-135

▶ **Cholesterol** : <200 mg/dL

Electrolytes

- ▶ Na : 136-145 mEq/L
- ▶ K : 3.5-5 mEq/L
- ▶ Ca : 8.5 -10.5 mg/dL
- ▶ Mg : 1.3-2-1 mEq/dL
- ▶ P : 3-4.5 mg/dL
- ▶ Cl : 98-106 mEq/L
- ▶ Zn : 70-102 μ mol/L
- ▶ Al : 0-6 ng/mL
- ▶ Cu : 70-150 μ g/dL

Pancrease

- ▶ **Amylase : 30-220 U/L**
- ▶ **Lipase : 0-160 U/L**

Vitamins

▶ **B12 : 160-950 pg/mL**

▶ **D3 : pg/mL**

Male : 18-63

Female : 18-78

▶ **A : 30-65 $\mu\text{g/dL}$**

Inflammatory factors

▶ **ESR** : mm/hr

Male : 15

Female : 20

▶ **CRP** : <10 mg/L

Coagulation

- ▶ **PT : 11-12.5 sec**
- ▶ **PTT : 24-40 sec**
- ▶ **INR : 0.8-1.1**
- ▶ **Protein S : 60-130 %**
- ▶ **Protein C : 70-150 %**

Adrenal

▶ **Cortisol** : $\mu\text{g/dL}$

8 a.m. : 5-23

4 p.m. : 3-13

▶ **Aldosterone** : ng/dL

Male : 6-22

Female : 5-30

Proteins

- ▶ **Total protein : 6.4-8.3 g/dL**
 - ▶ **Albumin : 3.5-5 g/dL**
 - ▶ **Prealbumin : 15-36 mg/dL**
 - ▶ **Globulin : 2.3-3.4 g/d**
- Alpha1 : 0.1-0.3
Alpha2 : 0.6-1
Beta : 0.7-1.1

Enzymes

▶ **CPK : U/L**

Male : 55-170

Female : 30-135

▶ **Troponin : ng/mL**

T : <0.1

I : <0.03

▶ **LDH : 100-190 U/L**

Fe

▶ **Fe** : $\mu\text{g/dL}$

Male : 80-180

Female : 60-160

▶ **Ferritin** : ng/dL

Male : 12-300

Female : 10-150

▶ **Transferin** : mg/dL

Male : 215-365

Female : 250-380

▶ **Folic acid** : **5-25** ng/dL

▶ **TIBC** : **250-460** $\mu\text{g/dL}$

ABG/VBG

- ▶ **PCo₂ : 35-45 mmHg**
- ▶ **Po₂ : 80-100 mmHg**
- ▶ **BE : 0-+2 mEq/L**
- ▶ **HCO₃ : 21-28 mEq/L**
- ▶ **O₂ sat : 95-100 %**
- ▶ **PH : 7.35 - 7.45**

Thanks for your attention