

# Lab Test Analysis Report

**Patient's Name:** [Unknown]

**Test Date:** [Unknown]

**Test Type:** Comprehensive Lab Report

The provided lab test results pertain to a blood test conducted on a male patient named Vardan Barseghian, born on April 2, 1970. The tests were conducted on January 20, 2025, at Laboratoire Kling in Strasbourg, France, with Dr. Isabelle Binet-Wolff as the prescriber. Here is an interpretation of the results based on typical reference values:

## ### Hematology:

### 1. \*\*Red Blood Cells (Erythrocytes):\*\*

- \*\*Count:\*\* 4.82 T/L (Reference: 4.30-5.75 T/L) - Within normal range.
- \*\*Hemoglobin:\*\* 14.0 g/dL (Reference: 13.5-17.2 g/dL) - Within normal range.
- \*\*Hematocrit:\*\* 40.9% (Reference: 39.5-50.5%) - Within normal range.
- \*\*Mean Corpuscular Volume (MCV):\*\* 84.9 fL (Reference: 80.0-99.0 fL) - Within normal range.
- \*\*Mean Corpuscular Hemoglobin Concentration (MCHC):\*\* 34.2 g/dL (Reference: 31.5-36.5 g/dL) - Within normal range.
- \*\*Mean Corpuscular Hemoglobin (MCH):\*\* 29.0 pg (Reference: 27.0-33.5 pg) - Within normal range.
- \*\*Red Cell Distribution Width (RDW):\*\* 12.8% (Reference: 11.0-14.0%) - Within normal range.

### 2. \*\*White Blood Cells (Leukocytes):\*\*

- \*\*Total Count:\*\* 4.96 G/L (Reference: 3.90-10.20 G/L) - Within normal range.
- \*\*Neutrophils:\*\* 61.9% (3.07 G/L) - Normal percentage and absolute count.
- \*\*Eosinophils:\*\* 1.8% (0.09 G/L) - Normal.
- \*\*Basophils:\*\* 0.2% (0.01 G/L) - Normal.
- \*\*Lymphocytes:\*\* 26.4% (1.31 G/L) - Normal percentage and absolute count.
- \*\*Monocytes:\*\* 9.7% (0.48 G/L) - Normal.

### 3. **Platelets:**

- **Count:** 164 G/L (Reference: 150-450 G/L) - Within normal range.
- **Mean Platelet Volume (MPV):** 10.1 fL (Reference: 8.0-12.0 fL) - Within normal range.

### ### Biochemistry:

#### 1. **Uric Acid:**

- **Level:** 0.10 mmol/L [17 mg/L] (Reference: 0.22-0.45 mmol/L [37-76 mg/L]) - Below normal range, suggesting hypouricemia.

#### 2. **Potassium:**

- **Level:** 3.8 mmol/L (Reference: 3.5-4.5 mmol/L) - Within normal range.

#### 3. **C-Reactive Protein (CRP):**

- **Level:** 2.1 mg/L (Reference: <5.0 mg/L) - Within normal range, indicating no significant systemic inflammation.

### ### Other Parameters:

#### 1. **Prostate-Specific Antigen (PSA):**

- **Level:** 0.78 ng/mL (Reference: <4.00 ng/mL) - Low, no concern for raised levels associated with prostate issues.

#### 2. **Vitamin B12 (Cyanocobalamin):**

- **Level:** 116 pmol/L (Reference: 138-652 pmol/L) - Below the normal range, indicative of possible vitamin B12 deficiency which could lead to macrocytic anemia or neurological issues if not addressed.

### ### Summary:

- The patient's hematology results are largely within normal ranges, which indicates a stable hematological profile.
- Biochemical parameters reveal a low uric acid level, which may need investigation for underlying causes such as dietary insufficiency or renal issues.
- C-Reactive Protein is within normal limits, indicating no acute inflammation or infection.
- A noted concern is the low Vitamin B12 level, which may require dietary adjustments or

supplementation to prevent deficiency-related symptoms.

- Follow-up on the low uric acid and Vitamin B12 levels may be necessary as part of the patient's medical care plan.