

# MediLinkFilm Demo Imaging Centre

Central Laboratory · NABL-style demo report

Haematology · Biochemistry · Immunoassay

## LABORATORY REPORT — BASELINE PANEL

Requested as part of orthopaedic workup prior to advanced imaging

|           |                           |            |                        |
|-----------|---------------------------|------------|------------------------|
| Name      | Ramesh Kumar              | UHID       | DEMO-2026-000042       |
| Age / Sex | 52 y / M                  | Collection | 18 Mar 2026, 08:12 hrs |
| Referring | Dr. A. Sharma, MD (Ortho) | Reference  | DEMO-LAB-2026-000042   |
| Specimen  | Venous blood (EDTA / SST) | Reported   | 18 Mar 2026, 19:40 hrs |

### HAEMATOLOGY

| INVESTIGATION               | RESULT             | REFERENCE RANGE | FLAG |
|-----------------------------|--------------------|-----------------|------|
| Haemoglobin (Hb)            | 14.2 g/dL          | 13.5 – 17.5     | —    |
| Total leukocyte count (TLC) | 7,200 / $\mu$ L    | 4,000 – 11,000  | —    |
| Platelet count              | 2.3 lakh / $\mu$ L | 1.5 – 4.5       | —    |
| ESR (1 hr, Westergren)      | 14 mm/hr           | 0 – 20          | —    |

### INFLAMMATORY MARKER

| INVESTIGATION            | RESULT   | REFERENCE RANGE | FLAG |
|--------------------------|----------|-----------------|------|
| C-reactive protein (CRP) | 3.1 mg/L | < 5             | —    |

### GLYCAEMIC STATUS

| INVESTIGATION                | RESULT    | REFERENCE RANGE | FLAG |
|------------------------------|-----------|-----------------|------|
| Random blood sugar           | 108 mg/dL | < 140           | —    |
| Glycated haemoglobin (HbA1c) | 5.6 %     | < 5.7           | —    |

### RENAL & BONE CHEMISTRY

| INVESTIGATION      | RESULT    | REFERENCE RANGE | FLAG |
|--------------------|-----------|-----------------|------|
| Creatinine (serum) | 0.9 mg/dL | 0.7 – 1.3       | —    |

| INVESTIGATION     | RESULT     | REFERENCE RANGE | FLAG |
|-------------------|------------|-----------------|------|
| Calcium (total)   | 9.2 mg/dL  | 8.6 – 10.3      | —    |
| Phosphorus        | 3.4 mg/dL  | 2.5 – 4.5       | —    |
| Vitamin D (25-OH) | 18.4 ng/mL | 30 – 100        | LOW  |

INTERPRETATION

Isolated Vitamin D deficiency (25-OH Vitamin D 18.4 ng/mL) — replacement therapy advised as per clinical protocol. Inflammatory markers (ESR, CRP) within reference limits. Glycaemic status normal. Renal function and bone chemistry unremarkable. No systemic red-flag features on this basic screen.

Recommend recheck of serum 25-OH Vitamin D after 8–12 weeks of supplementation. Clinical correlation required for all findings; the report should be interpreted alongside symptoms and other investigations.

**Dr. R. Balan, MD (Pathology)**  
Consultant Pathologist · MediLinkFilm Demo Laboratory