

# ERYTHROPOIETIN- EPO

Profile Details | 1 Parameters

Fasting: Fasting is not mandatory | Report Time: Within 5 Days



**Specimen Required:** Blood

**Price- ₹3000 ₹1890**

## Parameters Included

### About This Test

An erythropoietin (EPO) test measures the level of erythropoietin in the blood. Erythropoietin is a hormone produced primarily by the kidneys and plays a crucial role in the production of red blood cells. Here are the key aspects of what an erythropoietin test measures and its clinical significance: 1. **Red Blood Cell Production**: EPO stimulates the bone marrow to produce red blood cells. The test helps in understanding how effectively the body is producing red blood cells. 2. **Diagnosis of Anemia**: Low levels of EPO can indicate anemia, particularly in chronic kidney disease, where the kidneys may not produce enough erythropoietin. Conversely, high levels of EPO might be seen in certain types of anemia, such as anemia due to iron deficiency or blood loss, where the body compensates by producing more EPO. 3. **Polycythemia**: High levels of EPO can indicate polycythemia, a condition where there is an overproduction of red blood cells. This can be primary (due to bone marrow disorders) or secondary (due to chronic hypoxia, tumors, or other conditions stimulating EPO production). 4. **Kidney Function**: Since EPO is primarily produced by the kidneys, the test can provide insights into kidney function. In patients with chronic kidney disease, EPO levels are often monitored to determine the need for synthetic erythropoietin therapy. 5. **Bone Marrow Disorders**: EPO levels can help diagnose and differentiate between various bone marrow disorders and conditions affecting red blood cell production. In summary, an erythropoietin test provides valuable information about red blood cell production, helping diagnose anemia, polycythemia, kidney function issues, and bone marrow disorders.



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\*Fasting 10-12 hrs essential | \*Limited Period Offer | \*Reports within Within 5 Days

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