

# AccuDiag™ sTfR ELISA: Precision Diagnostics for Anemia & Erythropoiesis

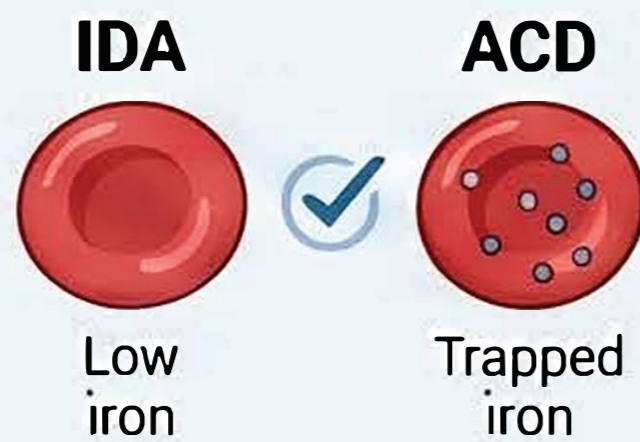
**3126/AN3126YU1**

An immunoenzymometric assay for the quantitative determination of sTfR, differentiating types of anemia and monitoring bone marrow proliferative capacity.

## CLINICAL UTILITY & DIAGNOSTIC VALUE

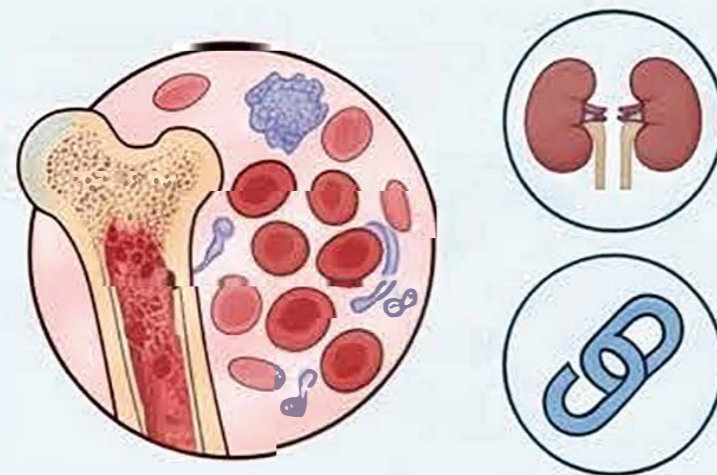
### Differentiates IDA from ACD

Effectively distinguishes between iron deficiency anemia and anemia of chronic disease.



### Monitors Erythropoiesis

Tracks marrow proliferative capacity in malignancy, renal disease, and post-transplantation.



### Unaffected by Inflammation

Unlike ferritin, sTfR is not an acute phase reactant and remains stable during inflammation.

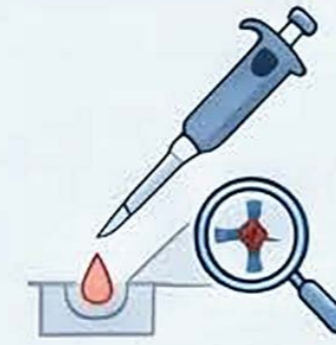


## TECHNICAL SPECIFICATIONS & PERFORMANCE

**0.055 nmol/L**

### Sensitivity

Provides high-precision detection for functional iron compartment assessment.



**95%**

### Specificity

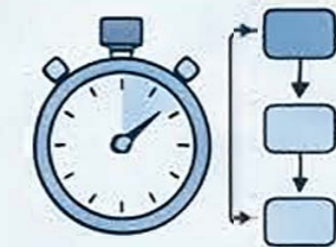
Minimal cross-reactivity with hemoglobin, bilirubin, or various ferritin types.



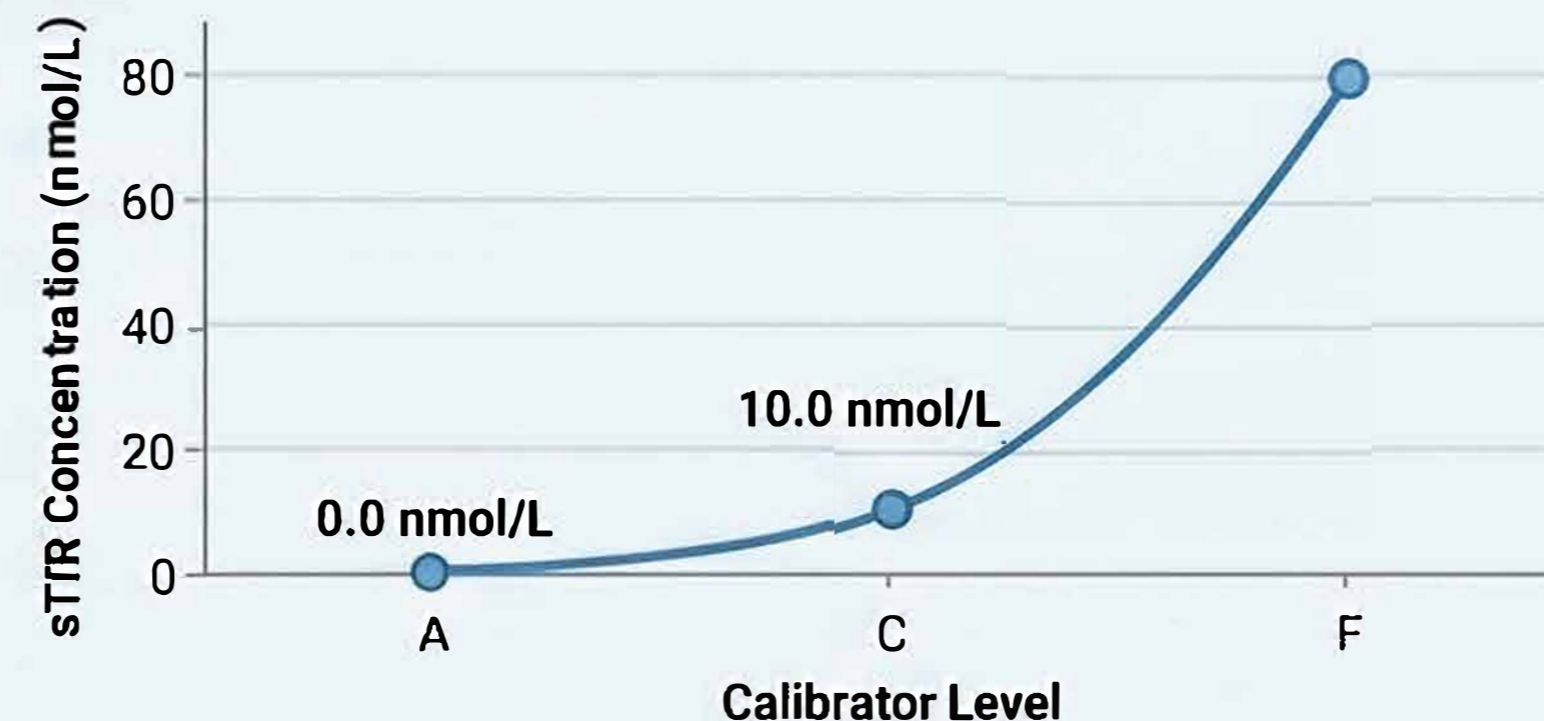
**90-Minute**

### Total Incubation

Fast turnaround time utilizing a sequential immunoenzymometric assay (Type 4).



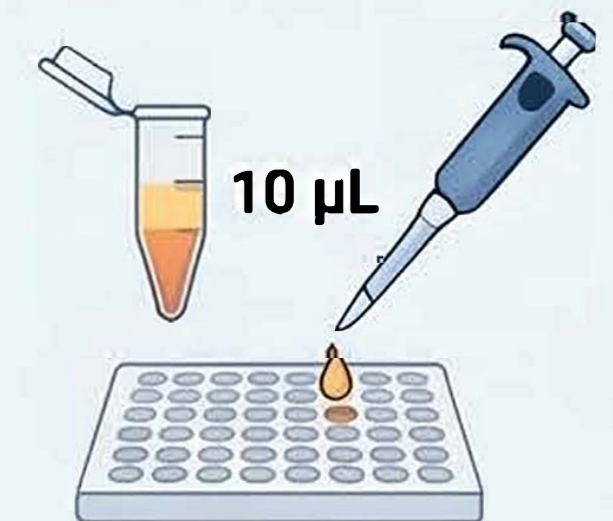
### Standardized Dose-Response Curve Calibrators



## ASSAY WORKFLOW & BEST PRACTICES

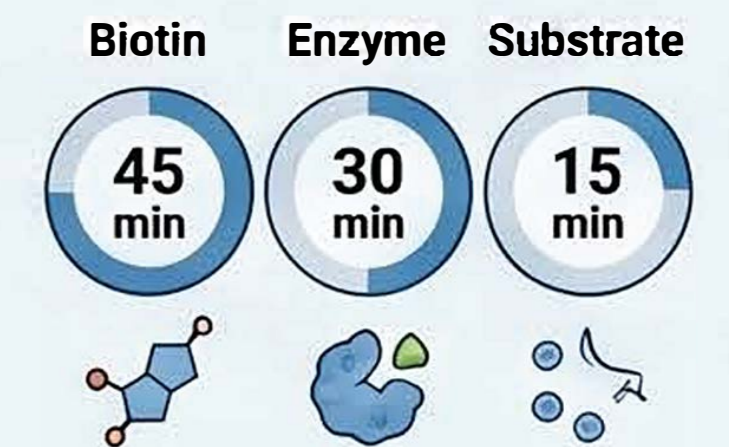
### Minimal Sample Requirement

Requires only 10 µL of serum or heparinized plasma per well.



### 3-Stage Incubation Cycle

Sequential steps of 45 mins (Biotin), 30 mins (Enzyme), and 15 mins (Substrate).



### Biotin Interference Caution

Wait 8 hours after high-dose biotin (>5mg/day) before sample collection.

