
Lab Dept: Serology

Test Name: FOLATE RECEPTOR ANTIBODY TEST

General Information

Lab Order Codes: FRAT

Synonyms: FRAT®

CPT Codes: 0399U

Test Includes: Measures the presence of autoantibodies to the folate receptor alpha (FRa).

Logistics

Test indications: If autoantibodies are present, then there is an indication that folate (vitamin B9) is not being properly distributed across the blood brain barrier and into the Cerebrospinal Fluid (CSF). Folate is a critical nutrient for proper neurological growth and function.

Lab Testing Sections: Serology - Sendouts

Referred to: Religen Inc

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Collect only on Sunday - Thursday

Turnaround Time: 50-52 days

Special Instructions: Requisition needs to be filled out by care team. Patients must self-pay. Patient email must be provided on the form for Billing Communications from the testing laboratory. Complete [this form](#) then include it with the specimen or deliver it to the Sendouts lab department by email or fax. Call lab for assistance if needed.

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 12 mL (9 mL min.) blood

Processed Volume:	4 mL (3 mL min.) serum
Collection:	Routine blood collection
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly. Stable 3 days refrigerated, 5 days frozen.
Patient Preparation:	If taking Folinic Acid or 5-MTHF supplements, withdraw from these supplements for a period of 48 hours prior to blood draw.
Sample Rejection:	Frozen whole blood; mislabeled or unlabeled specimens

Interpretive

Reference Range:	By report.
Critical Values:	N/A
Limitations:	Folinic Acid or 5-MTHF supplements may affect the quantitative results of FRAT® if they are still in the system. The concentration of antibodies is known to fluctuate over time (and in response to changes in cow's milk intake) so repeating the test, if clinically warranted, has been recommended.
Methodology:	ELISA and Radioactive assay
References:	Folate Receptor Autoantibody Test (FRAT® Test) November 2025
Updates:	11/6/2025: New entry