

Patient NAME : Dummy	Report STATUS : Final Report
DOB/Age/Gender :	Barcode NO :
Patient ID / UHID :	Sample Type :
Referred BY :	Report Date :
Sample Collected :	

FRAT Folate Receptor Autoantibody Test

BIOCHEMICAL GENETICS - FOLATE RECEPTOR AUTOANTIBODIES-IGG (SERUM)

Referral Reasons : Neuro developmental delay, seizures, mild ASD.

Methodology : Sandwich Enzyme Immunoassay.

Result :

Test Name	Result	Units	Control Range	Fold-elevation	Inference
Folate Receptor autoantibodies-IgG	277.15	ng/ml	51 - 159	2.64	POSITIVE

(* Fold elevation with reference to control median, greater than 2-fold elevation can be considered as positive for Folate receptor autoantibodies- IgG).

Interpretation : Folate receptor autoantibodies- IgG are above the normal limit.

Clinical Relevance :

Folate receptor alpha (FR alpha) is crucial for transporting folate across the blood-brain barrier. Autoantibodies targeting FR alpha can block this transport, leading to cerebral folate deficiency, even when serum folate levels are normal. Cerebral folate deficiency has been associated with language regression, irritability, seizures, motor disturbances, behavioral symptoms seen in autism spectrum disorders (ASD)

Clinical Utility :

Elevated FRAT-IgG levels can support the diagnosis of cerebral folate deficiency and guide treatment decisions in children with unexplained neurodevelopmental symptoms. Leucovorin (folinic acid) supplementation has shown benefit in some children with ASD and elevated FRAT-IgG. Monitoring antibody levels may help assess response to therapy.

NOTE- **This test is processed at Redcliffe's partnered lab.

*** End Of Report ***

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