



ILIAD Neurosciences

ODYSSEY TO THE MIND

FRAT™

Folate Receptor Antibody Test

FRAT™ Information Sheet



FOLATE RECEPTOR ANTIBODIES AND AUTISM

- Learn why assessing the presence of folate receptor antibodies through FRAT™ is vital to optimal brain and neurological health.

QUESTIONS & ANSWERS

What is FRAT™?

FRAT™ (Folate Receptor Antibody Test) is a patented diagnostic blood test that screens for antibodies to the Folate Receptor Alpha (FRa). FRAT™ is an important tool in assessing your child's neurological health. It is a simple test with sophisticated results.

What is the significance of these antibodies that target the Folate Receptor Alpha (FRa)?

These antibodies, which are either blocking antibodies, binding antibodies, or a combination of both, impede the proper absorption of folate into critically important tissues such as the brain. Folate deficiency in the brain is common in children with autism.

What implications do Folate Receptor Antibodies have in neurological health?

The presence of Folate Receptor Antibodies suggests that folate (vitamin B9), which is an essential vitamin, is not being properly transported to the brain, thereby possibly contributing to neuro-developmental disorders such as autism.

Is Folate that important for proper neurological function?

Yes, unequivocally so. Folate, (Vitamin B9), is essential for proper human growth and development. It is also necessary for maintaining a healthy nervous system — contributing to normal nerve maintenance and proper brain function. Lack of adequate folate levels have been implicated in various neurological disorders such as:

- Autism Spectrum Disorders
- Cerebral Folate Deficiency
- Neural Tube Defects
- Sub-fertility
- Pregnancy complications such as miscarriage and pre-maturity

Have Folate Receptor Antibodies been found in children diagnosed with Autism Spectrum Disorders?

Yes, a large percentage of children with Autism have been found to have these antibodies.

How does FRAT™ help me?

FRAT™ will confirm the presence of these antibodies to the Folate Receptor Alpha, which suggests that not enough folate is being transported into the brain.

Insufficient folate often can be corrected by administering active folate metabolites that bypass the blocked/ binding receptors. Consult your physician for further information on available therapeutic approaches.

Is there scientific evidence to support these statements?

Yes, there are numerous publications that detail the implications of folate receptor antibodies in a number of neurological disorders. You can find these publications at iliadneuro.com/publication.html

What else should I know about FRAT?

FRAT™ is a patented test that is performed in a CLIA certified laboratory. It is beneficial for children with Autism of all ages; early testing is recommended. FRAT™'s screening of antibodies offers a new pathway of knowledge for physicians and parents to manage autism.

What should I do now?

> Consult your physician or visit our website www.iliadneuro.com for further information on how to order FRAT™

FRAT™ is an important tool in assessing your child's neurological health.