

Acetylcholine Receptor Autoantibody (AChRAb) – Ganglionic

RADIOIMMUNOASSAY

FOR RESEARCH USE

ASSAY CHARACTERISTICS

Semi-Quantitative

Controls (Included): 2 Positive, 1 Negative

TOTAL RUNNING TIME

4 hours 40 minutes

SPECIMEN MATRIX

Human Serum

SAMPLE CALCULATION

$\text{pmol/L} = 1000 \times D / (K \times A \times C \times B \times 2.22)$

- (A) Decay Factor
- (B) Counter Efficiency
- (C) Serum Volume
- (D) CPM – Negative Control
- (K) Specific Activity

The KRONUS Ganglionic Acetylcholine Receptor Autoantibody (gAChRAb) RIA Assay Kit is for the semi-quantitative determination of autoantibodies to Ganglionic Acetylcholine Receptors (gAChR) in human serum.

The KRONUS gAChRAb RIA Kit depends on the use of recombinant gAChR complexed with ^{125}I -labeled epibatidine. The ^{125}I -labeled gAChRs are then incubated with test sera for two hours at 20 – 25° C. The resulting complexes are immunoprecipitated with anti-human IgG. After a second two-hour incubation at 20 – 25° C, cold wash solution is added and the tubes centrifuged. Unbound ^{125}I -labeled epibatidine gAChR is removed from the tubes by decanting or aspiration of the supernatant. The level of radioactivity remaining in the tube is proportional to the antibody level in the test sample.

ORDERING INFORMATION

KR8570 – 25 Tube Kit



For Research Use Only. Not For Use in Diagnostic Procedures.

 **KRONUS**

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ASSAY PROCEDURE

Sample Volume: 10 μ L per Tube

Positive Controls, Negative Control and Samples into Labeled Tubes: 10 μ L

125 I gAChR Tracer: 50 μ L
Gently Vortex Tubes
2 Hour Incubation at Room Temperature

Anti-Human IgG: 50 μ L
Gently Vortex Tubes
2 Hour Incubation at Room Temperature

Wash Buffer: 1 mL
Gently Vortex Tubes
Centrifuge Tubes for 20 Minutes at 2-8° C

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Gently Vortex Tubes
Centrifuge for 20 Minutes at 2-8° C

Decant and Drain:
Count Radioactivity of Pellets for 2 Minutes

Total Assay Time is Approximately 4 Hours 40 Minutes

For over 35 years, KRONUS has provided specialized immunoassay test kits to medical professionals at the world's most respected laboratory facilities. Please contact us directly with any questions, requests or comments that you may have. We welcome the opportunity to learn how KRONUS can be of assistance in meeting your laboratory's immunoassay test kit needs.



...Your Source for Sensitive Autoimmune Diagnostics

Intended for informational purposes only. Please see Product Direction Insert for complete details, instructions, limitations, etc.

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