

Voltage-Gated Potassium Channel Autoantibody (VGKCAb)

RADIOIMMUNOASSAY

FOR RESEARCH USE

ASSAY CHARACTERISTICS

Semi-Quantitative

Controls (Included): 2 Positive, 1 Negative

TOTAL RUNNING TIME

18 Hours and 10 Minutes

SPECIMEN MATRIX

Human Serum

SAMPLE CALCULATION

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

(A) Decay Factor

(B) Counter Efficiency

(C) Serum Volume

(D) CPM - Negative Control

(K) Specific Activity

The KRONUS Voltage-Gated Potassium Channel Autoantibody (VGKCAb) RIA Assay Kit is for the semi-quantitative determination of VGKC autoantibodies in human serum.

In KRONUS' VGKCAb RIA Assay Kit, samples and controls are allowed to interact with detergent solubilized VGKC extracted from rabbit brain tissue and complexed with ¹²⁵I-labeled -dendrotoxin (known to react with Kv1.1, 1.2 and 1.6 subtypes of the VGKC). After incubation at 2-8° C overnight, the resulting antigen-antibody complexes are immunoprecipitated by the addition of anti-human IgG. After a second incubation of 1½ hours, assay buffer is added and the tubes centrifuged. Unbound ¹²⁵I-labeled -dendrotoxin-VGKC complex is removed from the tubes by aspiration of the supernatant. The level of radioactivity remaining in the tube is proportional to the antibody level in the test sample.

ORDERING INFORMATION

KR5200 — 25 Tube Kit



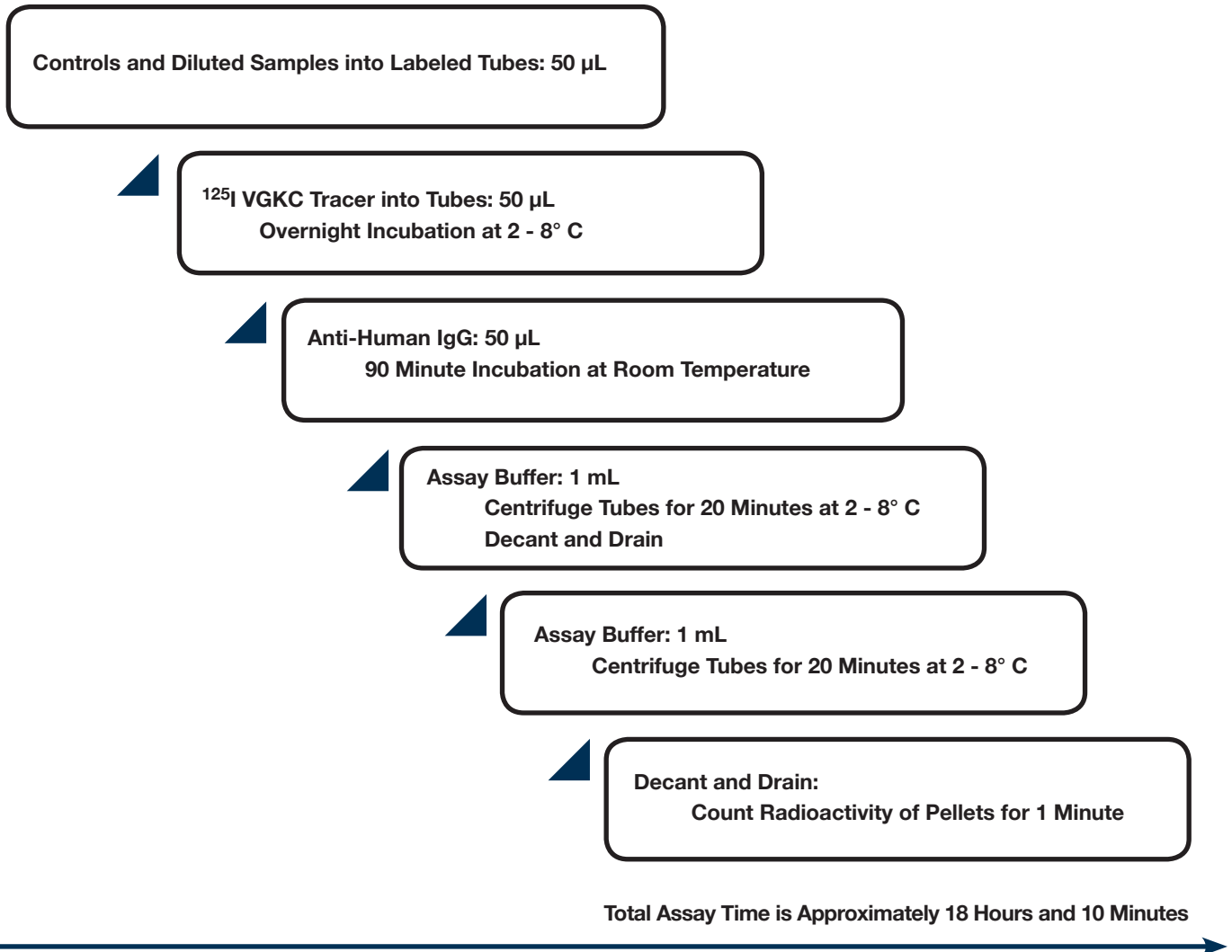
For Research Use Only. Not For Use in Diagnostic Procedures.



800.4.KRONUS (800.457.6687) | 208.377.4800 | www.kronus.com | kronus@kronus.com

ASSAY PROCEDURE

Sample Volume: 50 μ L per Tube



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 warmly 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