

Overview**Method Name**

Serum Neutralization Fluorescent Antibody

NY State Available

Yes

Specimen**Specimen Type**

Serum

Specimen Required**Specimen Type:** Serum**Container/Tube:** Red**Specimen Volume:** 2 mL**Collection Instructions:** Draw blood in a plain red-top tube(s), Spin down and send 2 mL of serum refrigerated in a plastic vial.**Note:** 1. Serum gel tube is acceptable, but must be poured off into plastic vial.

2. Collection date is required.

Reject Due To

Hemolysis	Mild OK; Gross reject
Lipemia	Mild OK; Gross reject
Icterus	NA
Other	NA

Specimen Minimum Volume

0.5 mL

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	60 days	

Clinical & Interpretive

Reference Values

Reportable range is 0.1 to 15.0 IU/mL

Less than 0.1 IU/mL: Below detection limit

In humans a results of 0.5 IU/mL or higher is considered an acceptable response to rabies vaccination according to the World Health Organization (WHO) guidelines; see WHO and Advisory Committee on Immunization Practices documents for additional guidance.

Interpretation

Quantitative results. For those who want to know their exact titer between the reportable range.

RFFIT stands for Rapid Fluorescent Foci Inhibition Test. It is a serum neutralization (inhibition) test, which means it measures the ability of rabies specific antibodies to neutralize rabies virus and prevent the virus from infecting cells. The antibodies are called rabies virus neutralizing antibodies (RVNA).

Performance

Method Description

In RFFIT, your serum (the non-cellular portion of your blood) is first diluted fivefold (1part serum in 4 parts diluent). Further (serial fivefold) dilutions are performed, each of which contain less and less of your serum. These serum dilutions are mixed with a standard amount of live rabies virus and incubated. Whatever RVNA is present will neutralize the virus. Next, some tissue culture cells are added and the serum/virus/cells are incubated together. Whatever rabies virus is left (i.e., that which has not been neutralized by the antibody in your serum), will infect the cells and this can be seen under the microscope through the use of specific staining. Calculation of the endpoint titer is made from the percent of virus infected cells observed on the slide.

PDF Report

No

Performing Laboratory Location

RFFIT/K-State Rabies Laboratory Manhattan/K-State Innovation Center

Fees & Codes**Test Classification****CPT Code Information**

86382

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
FRFIT	Rabies RFFIT Endpoint, S	6524-3

Result ID	Reporting Name	LOINC®
Z2071	Rabies Titer-Response	6524-3