



Pan-Specific C3 Reagent Kit

For **Research Use Only**. Not for use in diagnostic procedures.

The MicroVue Pan-Specific C3 Reagent Kit represents a novel approach to fill the gap of animal-specific Complement ELISAs. The C3 Complement Matrix (CCM) and the C3 Converter Reagent (CCR) in the kit convert the activity of C3 in the animal specimen to human SC5b-9 that is detectable with the MicroVue SC5b-9 Plus EIA kit. Thus the method allows sensitive and quantitative measurement of C3 in animal plasma or serum, which, to the extent C3 had been consumed prior to the assay, also provides a measure of prior Complement activation. The method expands the methodical arsenal of Complement analysis in animals, enabling, among many applications, preclinical immune toxicology testing of C-mediated (pseudoallergic) adverse drug effects.

The PS-C3 method is a three-step procedure. In the first step animals are treated with, or animal sera or plasma samples are incubated with the test drugs or agents or device to explore possible Complement activation. Samples are collected at appropriate times for the second step: conversion of animal C3 to human SC5b-9. In the third step SC5b-9 is measured using the human MicroVue SC5b-9 Plus ELISA kit.

Species Reactivity:

- Bovine, Chicken, Dog, Goat, Guinea Pig, Horse, Mini Pig, Pig, Rabbit, Rat, Sheep and Turkey

Assay Steps

- Prepare Reagents and Control
- Add 20 µL specimen to test tube
- Add 20 µL Complement Matrix
- Add 100 µL Diluent
- Add 10 µL of Converter Reagent
- Vortex
- Incubate 60 minutes at 37° C
- Add 10 µL of Stop Solution
- Dilute serum reaction mixture 1:2.5 or plasma reaction mixture 1:10 with specimen diluent
- Measure sample using the MicroVue SC5b-9 Plus EIA Kit according to Package Insert instructions

Samples:

- 10-15 IU/mL heparin plasma
- 50 µg/mL hirudin plasma
- Serum
- EDTA or citrate plasma should not be used.

Sample Volume: 20 µL

Total Time: Approx. 2 Hours

MicroVue Pan Specific C3 Reagent Kit – Cat. #20261

Related Products:

MicroVue SC5b-9 Plus EIA – Cat. #A020

MicroVue SC5b-9 Plus EIA (CE) – Cat. #A029

