

MICROVUE™

Complement

Technical
Data Sheet

MicroVueSC5b-9 Plus EIA

For Research Use Only in the U.S. Not for use in Diagnostic Procedures.

The MicroVue SC5b-9 Plus Enzyme Immunoassay measures the status of the terminal complement pathway by quantifying the amount of SC5b-9 (TCC) in human serum and plasma.

Activation of the terminal complement pathway is the result of activation of any of the three pathways in the complement system: the classical, alternative and lectin pathways. In this process, complement protein C5 is cleaved to C5b and may then interact sequentially with complement proteins C6, C7, C8 and C9 forming the terminal complement complex (TCC). In the presence of a membrane, these complexes can form transmembrane pores causing complement mediated cytolysis. In the absence of a target membrane, the TCC binds to naturally occurring regulatory serum proteins and the resulting products are commonly called SC5b-9.

The MicroVue SC5b-9 Plus Enzyme Immunoassay measures the concentration of SC5b-9 (TCC) thus giving an indication of terminal complement pathway activation.

Format

- EIA
- 96-well assay plate.
- Sample type: Human serum, EDTA and Citrate Plasma and other experimental specimens.
- Controls: Normal, Low.

Species Cross Reactivity: African green monkey, cynomolgus monkey, rhesus monkey, pigtail monkey.

Assay Steps

- Add ~300 µL of wash buffer
- Incubate 2 min at 15-30°C
- Aspirate liquid from each well
- Pipette 100 µL of Specimen diluent, Standards, Controls, and diluted Specimens into assay wells
- Incubate 60 ±1 minute at 15-30°C
- Wash 5 times with wash buffer
- Pipette 50 µL of SC5b-9 Plus Conjugate into assay wells
- Incubate 30 ±1 minute at 15-30°C
- Pipette 100 µL of Substrate into assay wells
- Incubate 15 ±1 minute at 15-30°C
- Pipette 100 µL of Stop Solution into assay wells and read at OD 450 nm
- Data reduction: Linear

Assay Performance

Analyte: SC5b-9 Complex (TCC, terminal complement complex)
Specimen Volume: 100 µL
LOD: 3.7 ng/mL
LLOQ: 8.8 ng/mL
Precision within run: 1.6-6.8%
Precision between run: 5.0-13.1%
Incubation Time: < 2 hours

TO ORDER: Call Quidel Customer service at 1.800.524.6318 (USA only), 1.408.616.4301 or fax 1.408.616.4310.

MicroVue SC5b-9 Plus Cat. #A020
CE Cat. #A029

Related Products

MicroVue™ iC3b EIA Kit	A006
MicroVue C4d EIA Kit	A008
MicroVue C3a EIA Kit	A015
Human Serum Complement	A113
Monoclonal Antibody to Human SC5b-9 (Neoantigen)	A239

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