

MICROVUE™

Complement

MicroVue™ SC5b-9 Plus EIA

Solutions for measuring terminal complement pathway activation

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

The MicroVue SC5b-9 Plus EIA assay measures the concentration of SC5b-9 complex in serum and plasma. This assay is designed to investigate the role and status of the terminal complement pathway in the research setting.

Under normal conditions, activation of any of the three complement pathways (the classical, alternative or lectin) results in activation of the terminal complement pathway and the cleavage of C5, (a protein unique to the terminal pathway of complement) to C5b. C5b may then interact sequentially with C6, C7, C8 and C9 forming the terminal complement complex (TCC). When this activation occurs in the presence of a membrane, the generated TCC may form transmembrane pores in the phospholipid bilayer of the targeted

cell causing complement-mediated cytolysis. *In vitro* and to a large extent *in vivo*, the TCC generated do not associate with the cell membranes and may be bound by complement regulatory proteins (e.g. Vitronectin or S Protein and Clusterin). The resulting products, commonly referred to as SC5b-9, are lytically inert and provide an excellent indicator of terminal complement pathway activation in the specimen.

The SC5b-9 Plus assay uses a proprietary monoclonal antibody to capture the SC5b-9 complex. The trapped SC5b-9 is detected with HRP labeled antibodies that bind to SC5b-9 antigens. The MicroVue SC5b-9 Plus assay provides rapid results in less than two hours.

Performance

Sensitivity

- ▶ LLOQ: 8.8 ng/mL
- ▶ LOD: 3.7 ng/mL

Precision

- ▶ Inter-assay CV 5.0-13.1%
- ▶ Intra-assay CV 1.6-6.8%

Linearity

- ▶ 94% average

Ease of use

- ▶ Ready to use reagents
- ▶ Standards and controls included

Time to results

- ▶ Total Assay Time < 2 hours

Product information

- ▶ Direct Capture EIA
- ▶ 96-well format
- ▶ 40 tests/kit (in duplicate)
- ▶ For use with serum, EDTA or citrated plasma
- ▶ Cat.# A020 RUO
- ▶ Cat.# A029 CE marked

Additional Information

To learn more about SC5b-9 Plus or other Quidel products visit our website at www.quidel.com or contact our Technical Services at 1.800.524.6318, 1.408.616.4301 or via fax at 1.408.616.4310.