

# MICROVUE™

## Complement

## Technical Data Sheet

### MicroVueC5a EIA

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

The MicroVue C5a Enzyme Immunoassay provides quantitative measurement of C5a des-Arg present in serum, plasma and other biological experimental samples.

C5a is generated as the result of cleavage of complement protein C5 by a C5-convertase during activation of the complement system via the classical, lectin or alternative pathway. The anaphylatoxin C5a is then rapidly cleaved into the more stable, less active, C5a des-Arg. The quantitation of C5a des-Arg therefore provides a reliable measurement of the level of terminal complement pathway activation in the test sample and for monitoring the generation of C5a *in vivo* and *in vitro*.

#### Format

- ELISA
- 96-well microplate.
- 40 tests/kit (in duplicate).
- Sample type: Serum, plasma or experimental samples.
- Controls included: Normal, Low.

#### Assay Steps

- Dilute Wash Solution concentrate
- Dilute Samples 1:50 (serum), 1:20 (plasma)
- Pipette 300 µL of Wash Solution into assay wells
- Incubate 2 min at room temperature (18-28°C)
- Remove liquid from wells
- Wash two times with Wash Solution

- Add 100 µL each of Standards, Controls and Samples into assay wells
- Incubate 60 ± 1 minute at room temperature (18-28°C)
- Wash the assay wells five times with Wash Solution.
- Add 100 µL of C5a Conjugate to each assay well.
- Incubate 60 ± 1 minutes at 18-28°C.
- Wash the assay wells five times with Wash Solution.
- Pipette 100 µL Substrate Solution into each assay well.
- Incubate 15 ± 1 minutes at 18-28°C.
- Add 100 µL of Stop Solution to each assay well.
- Measure absorbance at 450 nm.

#### Assay Performance

- Method:** Direct capture  
**Samples:** Serum diluted 1:50  
Normal plasma diluted 1:20  
**Sample volume:** 100 µL  
**LOD:** 0.01 ng/mL  
**LLOQ:** 0.050 ng/mL  
5 point standard curve  
**Incubation Time:** 60, 60, 15 minutes

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

#### MicroVue C5a EIA

(U.S. and Canada) RUO Cat. #A021  
ROW Cat. #A025

#### Related Products

MicroVue C3a EIA Kit	A015
MicroVue SC5b-9 Plus EIA Kit	A020
MicroVue Bb Plus EIA	A027



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