



### C5a EIA

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

#### Background

The MicroVue C5a Enzyme Immunoassay provides quantitative measurement of C5a des-Arg.

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

- 96-well microplate with reagents sufficient to test 40 samples in duplicate
- 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 minutes at room temperature (18°C to 28°C)
- Remove liquid from wells
- Wash 2 times with Wash Solution
- Add 100 µL each of Standards, Controls and Samples into wells
- Incubate 60 minutes ±1 at room temperature (18°C to 28°C)
- Wash the assay wells 5 times with Wash Solution
- Add 100 µL of C5a Conjugate to each assay well
- Incubate 60 minutes ±1 at room temperature (18°C to 28°C)
- Wash the assay wells 5 times with Wash Solution
- Pipette 100 µL Substrate Solution
- Incubate 15 minutes ±1 at room temperature (18°C to 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  
Plasma Diluted 1:20

**Sample Volume:** 100 µL

**Assay Time:** 60, 60, 60 minutes

**LOD:** 0.01 ng/mL

**LLOQ:** 0.05 ng/mL

**Precision (intra-assay):**  
3.5% to 3.9%

**Precision (inter-assay):**  
7.1% to 13.0%

Quidel | Specialty Products | Research to Rapids® | quidel.com | 800.874.1517 | 858.552.1100

MicroVue C5a EIA – Cat. #A021 (RUO) / Cat. #A025 (CE)

SL0369 | TDA021000EN00 (11/16)

Also available:

MicroVue C3a Plus EIA – Cat. #A031 (RUO)  
Cat. #A032 (CE)

MicroVue SC5b-9 Plus EIA – Cat. #A020 (RUO)  
Cat. #A029 (CE)

MicroVue Bb Plus EIA – Cat. #A027 (CE)

