

# MICROVUE™

## Complement

### MicroVue™ C5a EIA

*Solutions for measurement of terminal complement pathway activation in experimental samples*

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

C5a is generated as a result of cleavage of the terminal complement protein C5, during activation of the complement system via the classical, alternative or lectin pathway. The anaphylatoxin C5a itself is short-lived and in serum is cleaved rapidly into the more stable C5a des-Arg.

As a component of the terminal pathway and a potent anaphylatoxin, both C5a and C5a des-Arg perform many functions including mast cell degranulation,

chemotaxis and acts as a powerful inflammatory mediator. C5a may also play a role in hemo-incompatibility of biomaterials and in various disease states including myocardial infarction, stroke, kidney injury and infectious diseases.

The MicroVue C5a Enzyme Immunoassay detects both C5a and C5a des-Arg and is intended for investigations into the status and role of terminal complement pathway activation.

#### Performance

##### Sensitivity

- ▶ LLOQ: 0.050 ng/mL
- ▶ LOD: 0.01 ng/mL

##### Inter assay CV

- ▶ < 9.5%

##### Intra assay CV

- ▶ < 3.7%

##### Excellent Reproducibility

Standardized to characterized AAA gold standard

#### Ease of use

- ▶ Automatable on standard EIA analyzers
- ▶ No precipitation step

#### Time to results

- ▶ Total assay time under 2.5 hours
- ▶ Hands-on time less than 30 min.

#### Features

- ▶ Ready-to-use reagents
- ▶ Normal and Low Controls included
- ▶ Standards included

#### Product information

- ▶ Direct Capture EIA
- ▶ 96 well format
- ▶ 40 tests/kit (in duplicate)
- ▶ For use with experimental samples including human plasma and serum
- ▶ Cat. # A021 RUO (U.S. and Canada)
- ▶ Cat. #A025 ROW



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#### Additional Information

To learn more about C5a or other Quidel products visit our website at [www.quidel.com](http://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.