

# Technical Information

## **C3a Mouse (TECO®)**

### **Quantification of the C3a fragment**

Cat. No.:	TE1038
Tests:	96
Method:	<b>ELISA</b>
Range:	31 – 500 ng/ml
Sensitivity:	LOD: 4.5 ng/ml LLOQ: 0.023 ng/ml
Incubation time:	3 hours
Sample volume:	25 µl (plasma or serum, dilute 1:100)
Sample type:	Mouse plasma, serum or other biological fluids.
Sample preparation:	Non-lipemic samples are recommended. Centrifuge collected blood samples within 4 hours. Use immediately in the Assay or keep frozen at - 80°C. Repeated freeze and thaw cycles should be avoided.
Obtained normal values:	5 – 20 µg/ml

#### Intended use:

C3 is central to the classical, alternative and lectin pathways of complement activation. The synthesis of C3 is tissue-specific and is modulated in response to a variety of stimulatory agents. During complement activation, C3 is proteolytically cleaved resulting in release of the anaphylatoxic peptide C3a.

C3a is a small polypeptide consisting of 74 amino acids. C3a itself is very short-lived and in serum cleaved rapidly into the more stable C3a-desArg (also called acylation stimulating protein, ASP). Therefore, measurement of C3a-desArg allows reliable conclusions about the level of complement activation in the samples.

For further information please contact / Für weitere Informationen wenden Sie sich bitte an / Pour plus d'informations, veuillez contacter:

## **TECO**medical Group

*always your partner*

Headquarters / Switzerland

### **TECO**medical AG

Gewerbestrasse 10

4450 Sissach

Phone +41 (0) 61 985 81 00

Fax +41 (0) 61 985 81 09

Mail [info@tecomedical.com](mailto:info@tecomedical.com)

[www.tecomedical.com](http://www.tecomedical.com)



### **Partner in the USA**

Quidel Corporation

2005 East State Street, Suite 100

Athens OH 45701 USA

Phone (in the U.S.) 800.874.1517

Phone (outside the U.S.) 858.552.1100

Fax 740.592.9820

[www.quidel.com/SPG](http://www.quidel.com/SPG)