

# Technical Information

## Fetuin-A, Human

CE

Cat. No.: KT-800  
 Tests: 96  
 Method: **ELISA**  
 Range: 12.5 - 370 ng/ml  
 Sensitivity: 5.0 ng/ml  
 Incubation time: 3 hours  
 Sample volume: 10 µl (dilute 1:10.000)  
 Sample type: Serum  
 Sample preparation: Serum should be separated within 3 hours after blood collection, measure or store at -20 °C. Max. 3 freeze and thaw cycles.

Reference values:

Range (g/l)	Mean (g/l)	SD (g/l)
0.35 - 0.95	0.57	0.13

Species: Human

Intended use:

Fetuin-A synthesized in the liver is secreted into the blood stream and it is deposited, accumulated as a non-collagenous protein in mineralized bones and teeth.

Fetuin-A acts as an important circulating inhibitor of ectopic calcification, a frequently seen complication in degenerative diseases. Low Fetuin-A level may be associated with higher cardiovascular mortality in chronic renal failure, liver cancer and liver cirrhosis patients on long-term dialysis.

Human Fetuin-A represents a natural inhibitor of tyrosine kinase activity of the insulin receptor. Fetuin-A may play a significant role in regulating post-prandial glucose disposition, insulin sensitivity, weight gain, and fat accumulation and may be a novel therapeutic target in the treatment of type 2 diabetes, obesity, and other insulin-resistant conditions.

- Fetuin-A level (< 0.35 g/l) indicates a higher risk of cardiovascular calcification and increase mortality in ESRD-patients.
- Fetuin-A level (> 1.00 g/l) in elderly population, an independent risk factor of type II diabetes.
- Fetuin-A is an important predictor of death in acute myocardial infarction.
- Involved with the regulation of calcium metabolism and osteogenesis.

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

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



A EUROBIO SCIENTIFIC COMPANY

**Switzerland / Headquarters**

**TECOmedical AG**  
Gewerbstrasse 10  
4450 Sissach  
Phone +41 61 985 81 00  
Fax +41 61 985 81 09  
Mail [info@tecomedical.com](mailto:info@tecomedical.com)

**Germany**

**TECOmedical GmbH**  
Wasserbreite 57  
32257 Bünde  
Phone +49 52 23 985 99 99  
Fax +49 52 23 985 99 98  
Mail [info@tecomedical.com](mailto:info@tecomedical.com)

**Benelux**

**TECOmedical Benelux BV**  
Prins Willem-Alexanderlaan 301  
7311 SW Apeldoorn, The Netherlands  
Phone +31 30 307 87 30  
Fax +31 30 307 49 39  
Mail [benelux@tecomedical.com](mailto:benelux@tecomedical.com)

**Austria**

**TECOmedical AG**  
Phone 0800 20 40 66  
Fax 0800 20 40 55  
Mail [info@tecomedical.com](mailto:info@tecomedical.com)