SUMMERTIME IS TICK TIME!

TBE/FSME IGG PLUS ELISA & TBE/FSME IGM ELISA FROM TECAN.

Due to their way of life, ticks can often transmit pathogens from one host to another during a tick bite. There are more types of pathogens involved than in any other parasitic animal group. Also humans are affected by tick-transmitted diseases such as Lyme disease or tick-borne encephalitis (TBE).

The most important vectors in Central Europe are the species of the genus Ixodes with the most common native species, the common wood tick (Ixodes ricinus).[1-3]

In recent years, the risk of tick bites has continued to increase, particularly in the summer months, and so-called endemic zones have been established in some areas of Europe.

The effects of an infection with the tick-borne encephalitis virus, range from mild flu-like symptoms to severe neurological deficits and inflammation of the brain and spinal cord.[1,2]

Serological tests provide information on the antibody status (IgG and IgM) against the TBE virus and can help to confirm an acute infection.[3]

Serology	Significance
IgM	Characteristic of the primary antibody response
	High IgM titer with low IgG titer: → suggests a current or very recent infection
	Rare: → persisting IgM
IgG	Characteristic of the secondary antibody response
	May persist for several years
	High IgG titer with low IgM titer: → may indicate a past infection

RELIABLE DETECTION OF TBE VIRUS INFECTIONS.

Product Name	TBE/FSME IgG plus ELISA*	TBE/FSME Virus IgM ELISA*
Cat-.Nr.	30114077	30114078
Method	ELISA	ELISA
Kit Size	12x8	12x8
Incubation time	1x1h, 1x30min, 1x15min	1x1h, 1x30min, 1x15min
Standard range	0-300 NTU/mL	Cut-off
Specimen	10 µL serum, plasma (citrate, heparin)	10 µL serum, plasma (citrate, heparin)
Regulatory status	CE IVD	CE IVD

Your benefits:

- Reliable supportive diagnosis of an acute infection
- Interpretation of results regarding the immune status after vaccination
- Easy to automate due to compatible reagents
- Fast sample preparation and processing time
- Excellent performance data

*distributed by Tecan, IBL International GmbH.

Literature:

1.Beaute' J., Spiteri G., Warns-Petit E., Zeller H. Tick-borne encephalitis in Europe, 2012 to 2016. Surveillance and outbreak report. Eurosurveillance. Article submitted on 18 Apr 2018 / accepted on 16 Aug 2018 / published on 08 Nov 2018. 2018
2.Augustin Estrada-Pena, Frans Jongjean: Ticks feeding on humans: a review of records on human-biting Ixodoidea with special reference to pathogen transmission. In: Experimental and Applied Acarology. September 1999, Band 23, Nr. 9, S. 685–715, PMID 10581710.
3.Holzmann, H. (2003). Diagnosis of tick-borne encephalitis. Vaccine, 21, S36-S40.

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