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## From now on available at ArminLabs: The C6-ELISA

Dear Sir or Madam,

In order to further improve our diagnostics of infections with *Borrelia burgdorferi*, we are glad to offer the C6 ELISA as of now.

Compared to the conventional *Borrelia* ELISA with different native and recombinant antigens, a synthetic peptide is employed for the diagnosis in the C6 ELISA. The C6 is equivalent to a variable surface antigen of *Borrelia burgdorferi* (VlsE). C6 is only synthesized *in vivo*; it is highly specific, highly immunogenic, activity associated, as well as cross-reactive with the VlsE subtypes of *Borrelia burgdorferi sensu stricto*, *Borrelia burgdorferi garinii*, and *Borrelia burgdorferi afzelii*.

The more intense the reproduction of *Borrelia*, the more VlsE antigen is activity associated synthesized and more C6 is produced by the patient as well.

Thus, the quantitative determination of C6 in a highly specific setting represents the reaction of the patient's immune system with the pathogen.

The suitability of the C6 ELISA in the early and late stage of a Lyme Borreliosis caused by European strains of *Borrelia* has been proved (Liang et al. 2000).

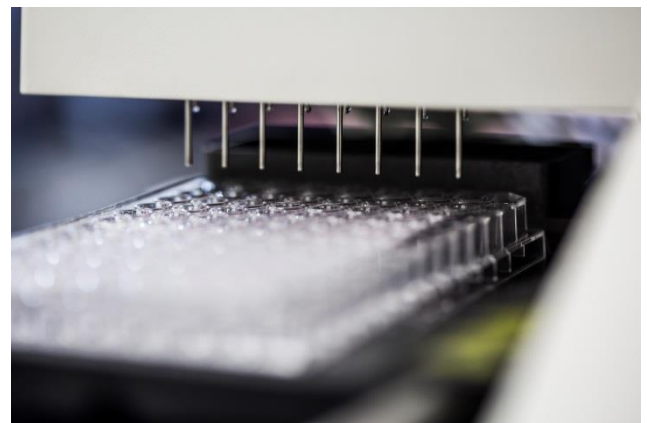
A study by Bacon et al. revealed an increase of the sensitivity by the factor 10.

Philip et al. found a decrease of the C6 titer by the factor 4 within six months for 75% of those patients who were free of symptoms after treatment.

Consequently, the C6 Elisa can be an important diagnostic tool in addition to the *Borrelia* EliSpot and the CD3-/CD57+ Cells.

Kind regards,

Your team at ArminLabs



### References:

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Philipp, M.T., Marques, A.R., Fawcett, P.T. et al.: C6-Test as an indicator of Therapy Outcome for Patients with Localized or Disseminated Lyme Borreliosis. *J. Clin. Microbiol.* 2003: 4955-4960