

## **08 9 Detection of specific anti-bacterial antibodies by means of ELISA**

(0,5 CP, 5 h) (max. 3 Teiln.)

BfR, Diederdorfer Weg 1, 12277 Berlin

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Serological tests are used for the indirect detection of an infection in the host. For this purpose, specific antibodies induced by the specific agent are detected in the body fluids (e.g. blood serum) of the host by appropriate tests such as ELISA (enzyme linked immunosorbent assay).

During the theoretical part of this course, the main principles of antibody response in the host as well as techniques for the detection of serum antibodies are highlighted. Furthermore, an introduction for the practical course on ELISA for detection of serum antibodies will be given.

During the practical part of this course, each student will get the possibility to perform the ELISA and to evaluate test results by means of the reference standard method.