

Test nr.
Patient Name
Patient nr
DOB
Tested
Sex
Report
Practitioner Name
Practitioner Address

| Analysis | Results | Units | Reference |
|----------|---------|-------|-----------|
|----------|---------|-------|-----------|

Material: CPDA-Blood, Serum, EDTA-Blood, Heparin-Blood

Borrelia burgdorferi Elispot LTT

| | | | |
|-----------------------------------|---|----|-----|
| Borrelia burgd. Fully Antigen | 0 | SI | < 2 |
| Borrelia OSP-Mix (OSPA/OSPC/DbpA) | 0 | SI | < 2 |
| Borrelia LFA-1 | 0 | SI | < 2 |

The results of the Elispot-Lymphocyte-Transformation-Tests are no indication for an actual cellular activity against *Borrelia burgdorferi*.

Explanation Elispot-LTT (LymphocyteTransformationTest):

This method detects an antigen (*Borrelia*, *Chlamydia*, *Ehrlichia*, EBV, *Yersinia*) induced release of interferon gamma by reactive lymphocytes. In the Elispot-LTT the T-lymphocytes are stimulated by bacterial or viral antigens. Antigen specific release of IFN gamma is detected by a standardized ELISA colour technique in form of "spots". The number of spots is resulted in form of a stimulation-index (SI) in comparison with a negative control (reference range: < 2 SI).

Results = 2 SI (borderline) or > 2 SI (positive) mean a specific response of the T-lymphocytes regarding the different antigens in the Elispot-LTT. The higher the result of the SI, the stronger is the T-cellular immune-response in general.

Chlamydia pneumoniae Elispot LTT

| | | | |
|----------------------------------|---|----|-----|
| Chlamydia pneumoniae-Elispot LTT | 0 | SI | < 2 |
|----------------------------------|---|----|-----|

The result of the Elispot-Lymphocyte-Transformation-Test (LTT) is no indication for an actual cellular activity against *Clamydia pneumoniae*.

Bartonella antibodies

| | | | |
|-----------------------------|---------|-------|---------|
| Bartonella henselae-IgG-IFT | < 1:320 | Titer | < 1:320 |
| Bartonella quintana-IgG-IFT | < 1:320 | Titer | < 1:320 |

Serological no evidence for an infection with *Bartonella henselae* or *Bartonella quintana*.

Babesia microti antibodies

| | | | |
|--------------------------------|--------|--|--------|
| Babesia microti-IgG-antibodies | < 1:64 | | < 1:64 |
|--------------------------------|--------|--|--------|

Serological no evidence for an infection with *Babesia microti*.

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Ehrlichia/Anaplasma Elispot LTT

| | | | |
|---------------------------------|---|----|-----|
| Ehrlichia/Anaplasma-Elispot LTT | 0 | SI | < 2 |
|---------------------------------|---|----|-----|

The result of the Elispot-Lymphocyte-Transformation-Test is no indication for an actual cellular activity against Ehrlichia/Anaplasma.

CD 57 Flow Cytometry

| | | | | |
|-------------------------|---|-------|--------|-----------|
| Leucocytes | | 4.05 | tsd/ul | 4-10 |
| Peripheral Lymphocytes | - | 15.80 | % | 18.0-51.0 |
| Lymphocytes | | 640 | /μl | 468-5100 |
| Natural killer cells | + | 29.50 | % | 6-29 |
| Natural killer cells | | 189 | /μl | 60-700 |
| CD 57 positive NK-cells | | 6.83 | % | 2-77 |
| CD 57 positive NK-cells | - | 44 | /μl | 100-360 |

The CD57-cell-count is an indication for a chronic immune-suppressive situation caused by Borrelia burgdorferi.