



Deutsche
Akkreditierungsstelle
D-ML-20488-01-00

ArminLabs GmbH · Zirbelstr. 58 2nd floor · 86154 Augsburg · Germany

ArminLabs GmbH
Zirbelstr. 58

D 86154 Augsburg

Patient : **Messineo, Maria**

Date of Birth: 05/19/1970 female

Final report

Order-ID : **839385630**

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Date of Reception/Report : 06/10/2020

06/12/2020

Analysis		Result	Units	Reference Range	Chart
Borrelia EliSpot *					
1 Borrelia b. Full Antigen	!	3	SI		
0-1	= negative				
2-3	= weak positive				
> 3	= positive				
1 Borrelia b. OSP-Mix	!	2	SI		
0-1	= negative				
2-3	= weak positive				
> 3	= positive				
1 Borrelia burgdorferi LFA-1	!	2	SI		
0-1	= negative				
2-3	= weak positive				
> 3	= positive				

The results of the Elispot tests indicate weak current cellular activities against *Borrelia burgdorferi*.

Explanation of antigens:

Borrelia-burgdorferi Full Antigen: *Borrelia burgdorferi* B31 reference strain (*Borrelia b sensu stricto*)

Borrelia-burgdorferi Peptide Mix: OspA from *Borrelia b. sensu stricto*, *Borrelia afzelii*, *Borrelia garinii* + OspC native + DbpA recombinant.

Borrelia-burgdorferi LFA-1 (Lymphocyte Function Antigen 1)

Own body protein + *Borrelia burgdorferi sensu stricto* (shared epitope). LFA1 can be associated with autoimmune diseases: collagenosis, Rheumatoid Arthritis, vasculitis. If positive or borderline positive look at: ANA, CCP-antibodies, ANCA.

validated by

Dr.Armin Schwarzbach