

Lymecheck Lab

Residencial Paraiso 9

E 50008 Zaragoza

Patient : xxxxxxxxx,xxxxxx

Date of Birth: 09/18/1958 female

**Final report**

Order-ID : xxxxxxxxxxxx

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Date of Reception/Report : 06/10/2025

06/13/2025

Analysis	Result	Units	Reference Range	Chart
<b>Borrelia EliSpot *</b>				
1 Borrelia b. Full Antigen *	0	SI		
SI = Stimulation Index				
0-1 = negative				
2-3 = weak positive				
> 3 = positive				
<b>1 Borrelia b. OSP-Mix *</b>	<b>2</b>	<b>SI</b>	<b>!</b>	
SI = Stimulation Index				
0-1 = negative				
2-3 = weak positive				
> 3 = positive				
1 Borrelia burgdorferi LFA-1 *	0	SI		
SI = Stimulation Index				
0-1 = negative				
2-3 = weak positive				
> 3 = positive				
<p>The results of the Elispot tests indicate weak current cellular activities against Borrelia burgdorferi.</p> <p>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,</p>				

Analysis	Result Units	Reference Range	Chart
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vasculitis. If positive or borderline positive look at:  
 ANA, CCP-antibodies, ANCA.

**Borrelia miyamotoi EliSpot**

1 Borrelia miyamotoi EliSpot 1 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot-Test indicates NO CURRENT cellular activity against Borrelia miyamotoi.

**Ehrlichia & Anaplasma EliSpot**

1 Ehrlichia/Anaplasma EliSpot ! 2 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates WEAK CURRENT cellular activity against Ehrlichia/Anaplasma.

**Bartonella EliSpot**

1 Bart.henselae EliSpot 1 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates NO CURRENT cellular activity against Bartonella henselae.

Please check the Bartonella hens.+quint. IgG/IgM antibodies.

**Babesia EliSpot**

Analysis	Result Units	Reference Range	Chart
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1 Babesia microti EliSpot  
 SI = Stimulation Index

1 SI

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates NO CURRENT cellular activity against Babesia microti.  
 The test detects other Babesia strains, including Babesia duncani.

Please check the Babesia microti-Antibodies and the CD57-positive NK-cells. Please take into consideration the clinical symptoms and the differential diagnosis.

**Chlamydia pneumoniae EliSpot**

1 Chlamydia pneumoniae-EliSpot  
 SI = Stimulation Index

1 SI

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates no current cellular activity against Chlamydia pneumoniae.

**Mycoplasma pneum.EliSpot**

1 Mycoplasma pneum. EliSpot  
 SI = Stimulation Index

1 SI

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates NO CURRENT cellular activity against Mycoplasma pneumoniae.  
 Please check the Mycoplasma pneumoniae-Antibodies and the CD57-positive NK-cells. Please take into consideration the clinical symptoms and the differential diagnosis.

Analysis	Result	Units	Reference Range	Chart
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**Yersinia EliSpot**

1 Yersinia EliSpot 0 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates NO CURRENT cellular activity against Yersinia enterocolitica.  
 We recommend a serological follow-up of the Yersinia enterocolitica IgG/IgA antibodies and to look at Yersinia in stool in 3-4 weeks.

**Rickettsia EliSpot**

1 Rickettsia EliSpot 1 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

The result of the EliSpot test indicates NO CURRENT cellular activity against Rickettsia rick.+typh..  
 Please check the Rickettsia rick.+typh.-Antibodies and the CD57-positive NK-cells. Please take into consideration the clinical symptoms and the differential diagnosis.

**EBV EliSpot (lytic+latent)**

1 EBV EliSpot (lytic) 1 SI  
 SI = Stimulation Index

- 0-1 = negative
- 2-3 = weak positive
- > 3 = positive

1 **EBV EliSpot (latent)** ! 68 SI  
 SI = Stimulation Index

- 0-1 = negative

Analysis	Result	Units	Reference Range	Chart
<p>2-3 = weak positive &gt; 3 = positive</p> <p>The result of the EliSpot test indicates CURRENT cellular activity against Epstein-Barr-Virus (EBV).</p> <p>Explanation of EBV antigens:            EBV-lytic antigen: sign for replication of infectious EBV virions            EBV-latent antigen: sign for EBV latency with no production of infectious EBV virions</p>				
<b>HSV 1/2 EliSpot</b>				
1 HSV1 Elispot		1	SI	
SI = Stimulations Index				
<p>0-1 = negative            2-3 = weak positive            &gt; 3 = positive</p>				
1 HSV2 Elispot	!	5	SI	
SI = Stimulation Index				
<p>0-1 = negative            2-3 = weak positive            &gt; 3 = positive</p> <p>The result of the Herpes Simplex Virus 2 EliSpot test indicates CURRENT cellular activity against Herpes Simplex Virus 2.</p>				
<b>CMV EliSpot</b>				
1 CMV lytic	!	40	SI	
SI = Stimulation Index				
<p>0-1 = negative            2-3 = weak positive            &gt; 3 = positive</p>				
1 CMV Latent	!	50	SI	
SI = Stimulation Index				

Lymecheck Lab

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Analysis	Result	Units	Reference Range	Chart
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0-1 = negative  
 2-3 = weak positive  
 > 3 = positive

The result of the EliSpot test indicates CURRENT cellular activity against Cytomegalo Virus (CMV).

**Explanation of CMV antigens:**

CMV-lytic antigen: sign for replication of infectious CMV virions

CMV-latent antigen: sign for CMV latency with no production of infectious CMV virions

**VZV EliSpot**

1 Varicella-zoster EliSpot 1 SI  
 SI = Stimulation Index

0-1 = negative  
 2-3 = weak positive  
 > 3 = positive

The result of the EliSpot test indicates NO current cellular activity against Varicella Zoster Virus (VZV).

**Coxsackie IgG-/IgA-antibodies**

4 Coxsackie-IgG Typ A7 (IFT)	+	1:100	< 1:100	[ ..... *>
4 Coxsackie-IgG Typ B1 (IFT)	+	1:10000	< 1:100	[ ..... *>
4 Coxsackie-IgA Typ A7 (IFT)	+	1:10	< 1:10	[ ..... *>
4 Coxsackie-IgA Typ B1 (IFT)		<1:10	< 1:10	[ ....*... ]

The specific positive Coxsackie-Virus Type A7-IgG-/IgA-antibodies indicate CURRENT humoral immune responses against Coxsackie-Virus Type A7 (recent infection with Coxsackie-Virus Type A7?)

The specific positive Coxsackie-Virus Type B1-IgG-antibodies indicate humoral immune responses against Coxsackie-Virus Type B1 (past infection with Coxsackie-Virus Type B1?)

The test system is highly specific for Coxsackie Virus antibodies. Other Enterovirus antibodies (for example Echovirus IgG/IgA-antibodies) are not detectable

**HHV EliSpot**

Analysis	Result Units	Reference Range	Chart
1 HHV6 EliSpot SI = Stimulation Index  0-1 = negative 2-3 = weak positive > 3 = positive  The result of the EliSpot test indicates NO current cellular activity against HHV6.	0 SI		
1 HHV7 EliSpot SI = Stimulation Index  0-1 = negative 2-3 = weak positive > 3 = positive  The result of the EliSpot test indicates NO current cellular activity against human herpesvirus 7 (HHV7).	0 SI		