

Scottish Lyme Disease and Tick-borne infections Reference

Samples and turn-around times:

Test	Specimen required	Volume	Turn-around time	Comment
Screening EIA & confirmatory IgG and IgM Immunoblot for <i>B. burgdorferi</i> antibodies	Clotted blood Serum	5 ml 500 µl	Screen: 3 days Immunoblot: 5 days	Testing <u>NOT</u> indicated for asymptomatic patients
CSF testing for intrathecal production of <i>B. burgdorferi</i> antibodies	CSF & Paired serum	1 ml 500 µl	14 days (Currently albumin & IgG levels cannot be done in-house and are referred)	CSF samples must be accompanied by serum taken on the same day CSF must not be bloodstained
<u>Pan-borrelia PCR</u> <i>B. burgdorferi</i> (Lyme disease)	Joint fluid (CSF)* Tissue	200µl 200µl Variable	7 days	Samples for PCR <u>must</u> be accompanied by serum sample
<i>B. miyamotoi</i>	EDTA whole blood CSF	5 ml 200µl	7 days	Sample should be taken during febrile phase (<4 weeks onset)
PCR for <i>Anaplasma phagocytophilum</i>	EDTA whole blood	5 ml	7 days	Sample should be taken in acute phase of illness (<4 weeks onset)

*CSF testing by PCR not routinely offered for patients with suspected neuroborreliosis as CSF serology is the method of choice