

Serological profiles for acute and chronic Q fever

Acute resolving Q fever						
	Symptoms onset	< 7 d	14-21 d	3 m	6 m	12 m
PCR	Serum	Positive	Negative	Negative	Negative	Negative
EIA	IgM - phase 2	± Positive	Positive	Equivocal*	Negative	Negative
	IgG - phase 2	Negative	Positive	Positive	Positive	Positive**
CFT	CFT - phase 2	< 8	64	512	256	64
	CFT - phase 1	<8	<8	16	32	16
IFA	IgM - phase 2	10-80	320	640	160	<10
	IgG - phase 2	<10	320	640	1280	640
	IgA - phase 2***	<10	<10	<10	40	20
	IgM - phase 1	<10	80	320	160	<10
	IgG - phase 1	<10	<10	320	160	160
	IgA - phase 1***	<10	<10	<10	<10	<10

* May persist for months to years and not clinically significant
 ** May become undetectable over a long period of time
 ***Not always performed - clinical relevance uncertain

Evolving chronic Q fever						
	Onset	< 7 d	14 - 21 d	3m	6m	12m
PCR	Serum/tissue	Positive	± Positive*	± Positive*		
EIA	IgM - phase 2	Positive	Positive	Equivocal*	Negative	Negative
	IgG - phase 2	Negative	Positive	Positive	Positive	Positive
CFT	CFT - phase 2	< 8	64	512	1028	512
	CFT - phase 1	<8	<8	512	1028	1028
IFA	IgM - phase 2	10-80	320	640	160	<10
	IgG - phase 2**	<10	320	1024	2560	10240
	IgA - phase 2	<10	<10	<10	160	20
	IgM - phase 1	<10	160	640	160	<10
	IgG - phase 1**	<10	<10	1024	2560	20480
	IgA - phase 1***	<10	<10	<10	160	160

* Poor sensitivity in serum ~ 50%
 ** Persisting phase 1 and to a lesser extent phase 2 IgG (CFT and IFA)
 *** Elevated phase 1 IgA > 160 may be present in chronic infection