

500 Chipeta Way, Salt Lake City, Utah 84108-1221

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Tracy I. George, MD, Chief Medical Officer

Patient Age/Sex: 14 hours Male

**Specimen Collected: 14-Mar-22 14:41**

Procedure	Result	Units	Reference Interval
Coccidioides Abs Panel, CSF			
Coccidioides Ab by CF, CSF	1:16 * i1		<1:2
Coccidioides Antibody IgG ELISA, CSF	2.2 H f1 i2	IV	<=0.2
Coccidioides Antibody IgM ELISA, CSF	1.5 H f1 i3	IV	<=0.2
Coccidioides by Immunodiffusion, CSF	Detected * t1 i4		Not Detected

**Interpretive Text**

t1: 14-Mar-22 14:41 (Coccidioides by Immunodiffusion, CSF)  
IDTP and IDCF bands were detected, suggesting current or recent Coccidioides infection.

**Result Footnote**

f1: Coccidioides Antibody IgG ELISA, CSF, Coccidioides Antibody IgM ELISA, CSF

Positive EIA results should be confirmed with immunodiffusion (ID) or the complement fixation (CF) test. When the ID or CF tests fail to corroborate the EIA results, the diagnosis is less firmly established.

**Test Information**

i1: Coccidioides Ab by CF, CSF  
INTERPRETIVE INFORMATION: Coccidioides Ab by Complement Fixation (CF)

Any titer suggests past or current infection. However, greater than 30 percent of cases with chronic residual pulmonary disease have negative Complement Fixation (CF) tests. Titers of less than 1:32 (even as low as 1:2) may indicate past infection or self-limited disease; anticoccidioidal CF antibody titers in excess of 1:16 may indicate disseminated infection. CF serology may be used to follow therapy. Antibody in CSF is considered diagnostic for coccidioidal meningitis, although 10 percent of patients with coccidioidal meningitis will not have antibody in CSF.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

i2: Coccidioides Antibody IgG ELISA, CSF  
INTERPRETIVE INFORMATION: Coccidioides Antibody IgG ELISA, CSF

0.2 IV or less: Negative - No significant level of Coccidioides IgG antibody detected.

0.3 IV or greater: Positive - Presence of IgG antibody to Coccidioides detected, suggestive

\*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab

**Unless otherwise indicated, testing performed at:**

**ARUP Laboratories**

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Tracy I. George, MD

**ARUP Accession:** 22-073-900176

**Report Request ID:** 15081176

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**Test Information**

i2: Coccidioides Antibody IgG ELISA, CSF  
of current or past infection.

IgG antibodies usually appear by the third week of infection and may persist for years. Both tube precipitin (TP) and CF antigens are represented in the ELISA tests.

i3: Coccidioides Antibody IgM ELISA, CSF  
INTERPRETIVE INFORMATION: Coccidioides Antibody IgM ELISA,  
CSF

0.2 IV or less: Negative - No significant level of  
Coccidioides IgM antibody detected.

0.3 IV or greater: Positive - Presence of IgM antibody  
to Coccidioides detected, suggestive  
of current or past infection.

In most symptomatic patients, IgM antibodies usually appear by the second week of infection and disappear by the fourth month.

Both tube precipitin (TP) and CF antigens are represented in the ELISA tests.

i4: Coccidioides by Immunodiffusion, CSF  
INTERPRETIVE INFORMATION: Coccidioides by Immunodiffusion,  
CSF

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