

Murray: Medical Microbiology, 7th Edition

Chapter 6: Serologic Diagnosis

Test Bank

MULTIPLE CHOICE

1. A 22-year-old spelunker has flulike illness with chest pain. Radiographs of the lungs indicate patchy infiltrates. Which of the following serologic findings would confirm a diagnosis of histoplasmosis?

- a. Ouchterlony demonstration of partial identity with *Blastomyces*
- b. A twofold increase in complement fixation titer
- c. Inhibition of hemagglutination
- d. Real-time PCR
- e. Southern blot analysis of serum

ANS: A

2. A 33-year-old man is suspected of being infected with H3N2 influenza. Comparison of serum taken during disease is compared to serum taken 2 months after recovery. Which of the following sets of antibody titers would confirm infection with the H3N2 strain?

	Acute Titer	Convalescent Titer
a.	8	16
b.	8	64
c.	4	8
d.	16	8
e.	64	16

ANS: B

3. Serology is used to follow the course of which of the following diseases?

- a. Influenza
- b. Herpes simplex virus
- c. Epstein Barr virus
- d. Yellow fever virus
- e. Measles

ANS: C

4. Serum levels of which antibody is indicative of recent infection?

- a. IgA
- b. IgD
- c. IgE
- d. IgG
- e. IgM

ANS: A