



# ASCLS Continuing Education

## Clinical Lab Investigations: Case Studies for the Lab Professional Case set #17 – Immunohematology

### Final Quiz

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Select the single best answer for each of the following multiple-choice questions and record on the answer sheet.

1. Anti-f is of what immunoglobulin class?
  - A. IgG
  - B. IgE
  - C. IgD
  - D. IgA
2. Which of the following characteristics is true of anti-f ?
  - A. Crossreacts with the D antigen
  - B. Capable of causing hemolytic disease of the newborn
  - C. Binds complement
  - D. Is never an autoantibody
3. The f antigen is present on red cells with which haplotype?
  - A. Dce
  - B. DCE
  - C. DCe
  - D. DcE
4. When finding compatible blood for a patient with alloanti-f, what antigen is the best antigen to use for screening the units?
  - A. E
  - B. e
  - C. c
  - D. C
5. What percentage of Caucasians have the f antigen?
  - A. 65%
  - B. 99%
  - C. 15%
  - D. 3%

6. With which Rh-hr panel cell will anti-f most likely react?
- A. R1R1
  - B. R1R2
  - C. R1R0
  - D. rr
7. The optimal temperature for anti-f reactivity is:
- A. 37°C
  - B. 22°C
  - C. 6°C
  - D. 50°C
8. Anti- f will not bind DcE/dCe because:
- A. The c and e antigens are in the *cis* position
  - B. The c and e antigens are in the *trans* position
  - C. The E and C antigens are in the *cis* position
  - D. The E and C antigens are in the *trans* position
9. Enzyme treatment of red blood cells will:
- A. Destroy the f antigen
  - B. Decrease the reactivity of the f antigen
  - C. Enhance f antigen reactivity
  - D. Result in complete hemolysis of the cells
10. Approximately how many *Rh-positive* individuals will have the f antigen?
- A. 91%
  - B. 15.1%
  - C. 48.8%
  - D. All of the units will have the f antigen

Record all answers on the answer sheet. (1) Complete the form below. (2) record your answers. (3) Detach and **mail** your answer sheet with check or money order (**\$15 for ASCLS members, \$25 for non-members**) to:

American Society for Clinical Laboratory Science  
1861 International Dr., Suite 200, McLean, VA 22102

**ASCLS Continuing Education Answer Sheet**  
**Clinical Lab Investigations: Case set #17 – Immunohematology**  
carries **1.0 hours** of continuing education. This form must be received by  
**August 31, 2017** to receive credit



Multiple Choice Questions

Circle the single best answer for each question:

1.    A    B    C    D
2.    A    B    C    D
3.    A    B    C    D
4.    A    B    C    D
5.    A    B    C    D
6.    A    B    C    D
7.    A    B    C    D
8.    A    B    C    D
9.    A    B    C    D
10.   A    B    C    D

Use this section to evaluate the above titled session. Circle the number (**1-low, 5-high**) to indicate your ratings of this program, objectives, and speaker; use one response per line. Please complete this form to fulfill the session requirements.

To what extent:

**Did the author(s) present a knowledgeable, organized, and concise case study?**

1    2    3    4    5

**Did the case studies achieve their printed objectives?**

1    2    3    4    5

**Rate your overall satisfaction with the content of this case study.**

1    2    3    4    5

**Comments:**

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