

系 級	科 目	授課教師	考 試 日 期	學 號	姓 名
醫技三	血庫學 lab.	Chen	90 年 6 月 7 日第 6 節		

①請注意本試題共 張。如發現頁數不足及空白頁或缺印，應當場請求補齊，否則缺少部份概以零分計。

②每張試題卷務必填寫(學號)、(姓名)。

簡答題：

1. 寫出標準試管操作法 _____
2. 簡述血庫凝集判讀標準 _____
3. ABO group 於玻片法之 cell suspension 約 _____ %
4. In reverse typing the ratio of cell and serum is _____
5. 如何判定 weak grouping _____
6. 所謂 mix field 是指何意? _____
7. 如何知道抗體力價?(含體內或商品) _____
8. 例舉三項以上 correction for false reaction of ABO cell typing _____
9. 簡單說明加 AHG 的目的? _____
10. 例舉四項以上 DAT test 之臨床應用? _____
11. 簡單說明 IAT and irregular antibody 間鑑定之臨床意義是否有不同? _____
12. irregular antibody 如何產生? 舉出那幾種較常見(2-3 種極可) _____
13. 簡單說明使用 Screen I and II cells 的目的? _____
14. 說明 absorption and elution test 的目的? _____
15. crossmatching 不合補救法有那些? _____

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寫出下列 Panel cell test 是屬那種 irregular antibody?

No. 2 Cell: This cell suspension is positive for the C^w antigen, which has an incidence of about 2% in an overall U.S. population, but may be higher in some communities of Central European origin. Anti-C^w can sometimes occur without a red-cell-induced stimulus, most often in the form of IgM that is usually detected only by an enzyme technique.

No. 11 Cell: This cell is Di(a+). Di^a (Diego) has a very low incidence among Caucasian bloods, but is of variable frequency in populations of Mongolian origin, including Native Americans. It is common in South American Carib Indians (36%), is present in Chinese (2.5%), in Japanese (8-12%) and in Chippewa Indians (11%), but has not been found in Eskimos. The Di^a antigen is well developed at birth, and anti-Di^a has been responsible for hemolytic disease of the newborn. The antibody has also been reported to be the cause of an acute hemolytic transfusion reaction (Hinkley, Huestis, Bl Transf Immunohematol 1979;20:581-586). Anti-Di^a occasionally occurs in serums of non-immunized people, sometimes as a direct agglutinin and sometimes needing an antioglobulin test for its detection.

Lot #0306180

BLOOD GROUP SYSTEM		Rh										MNSS					Lewis		Luth-eran		Kell			Duffy		Kidd		Sex-Limited		SPECIAL TYPE					
		D	C	E	c	e	f ²	v ²	VS ²	C ^w	M	N	S	s	P ₁	Le ^a	Le ^b	Lu ^a	Lu ^b	K	k	K ^a 3 ^a	J ^a 3 ^a	Fy ^a	Fy ^b	JK ^a	JK ^b	X ^a 3 ^a	Sex						
Rh	Code																																		
1	r'r	-5234	0	+	0	+	+	+	0	0	0	+	+	0	+	0	+	0	+	0	+	0	0	+	0	0	+	+	+	F	B2wt				
2	R1R1	-1926	+	+	0	0	+	0	0	0	+	+	0	+	+	+	0	0	+	0	+	0	0	+	+	+	+	+	0	M		Cw+			
3	R1R1	-4127	+	+	0	0	+	0	0	0	/	0	+	0	0	+	+	+	0	+	0	0	0	+	0	0	+	+	+	+		M			
4	R2R2	-18430	+	0	+	+	0	/	/	/	0	+	+	0	+	0	0	0	+	0	+	0	0	0	0	+	+	/	/	/		-			
5	r''r	-17653	0	0	+	+	+	/	/	/	0	+	+	0	+	+	0	0	+	0	+	0	0	0	+	0	+	/	/	/		+			
6	r'r	-1951	0	0	0	+	+	+	+	0	0	0	0	+	0	+	0	0	+	0	+	0	0	0	0	+	0	+	+	+	-				
7	r'rK	-17603	0	0	0	+	+	/	/	/	0	+	+	0	+	+	0	0	+	+	+	0	0	0	+	0	0	/	/	/	-				
8	r'rJsa	-16101	0	0	0	+	+	/	/	/	0	+	+	0	+	+	0	0	+	0	+	0	0	0	0	0	+	/	/	/	+				
9	r'r	-8345	0	0	0	+	+	+	+	0	/	0	+	+	+	0	0	+	0	+	0	0	0	0	+	+	0	+	+	/	-				
10	r'r	-2358	0	0	0	+	+	+	+	0	/	0	+	+	0	+	0	0	+	0	+	0	0	0	+	0	0	+	0	/	-				
11	R1r	-18426	+	+	0	+	+	/	/	/	0	0	+	0	+	0	+	0	+	0	+	0	0	+	0	0	+	0	/	/	Di (a+)				
P ₁																																			
T																																			
Y																																			
P	A	B	AB	A ₁	H	D	C	E	e	e	f ²	v ²	VS ²	C ^w	M	N	S	s	P ₁	Le ^a	Le ^b	Lu ^a	Lu ^b	K	k	K ^a 3 ^a	J ^a 3 ^a	Fy ^a	Fy ^b	JK ^a	JK ^b	X ^a 3 ^a	Sex	Reverse	A ₁
E																																			

20346

Result

Reverse Group Cells	Direct Antiglobulin TEST	Panel
A ₁		
A ₂		
B		
I ₁		
I ₂		
3		