

(Rudip)

: (1)

CO₂ (APG)

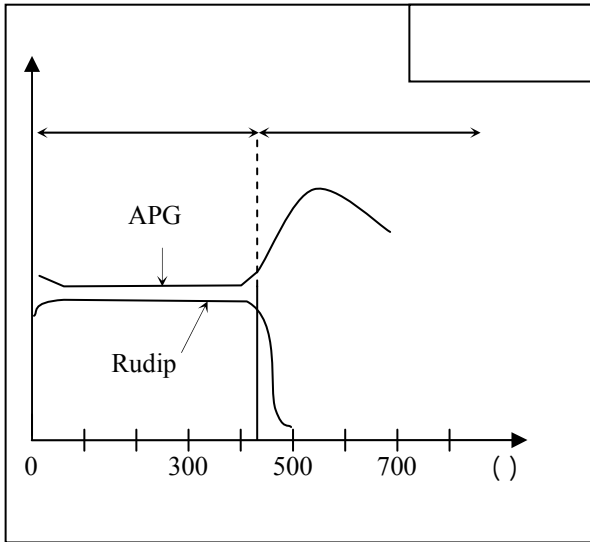
-1

-2

(APG)

- 3

(Rudip)



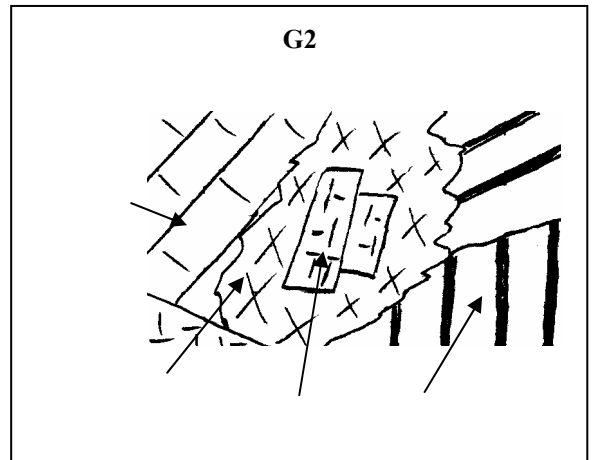
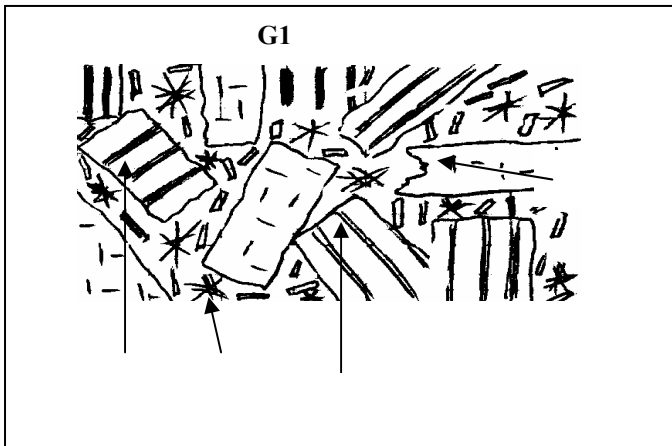
:(2)

2900 (1)

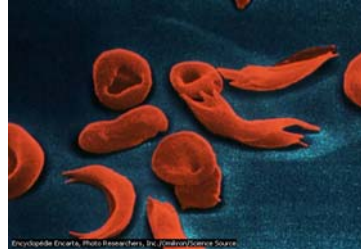
(1) (1 1)
2600 (1)

(2)

(+)



:1



⋮

.() HbA ARNm : :2
() Hb S ARNm :

:() Hb A

GUG CAC CUG ACU CCU GAG GAG AAG UCU GCC GUU ARNm

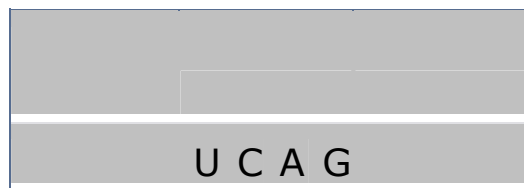
ACU

:() Hb S

GUG CAC CUG ACU CCU GUG GAG AAG UCU GCC GUU ARNm

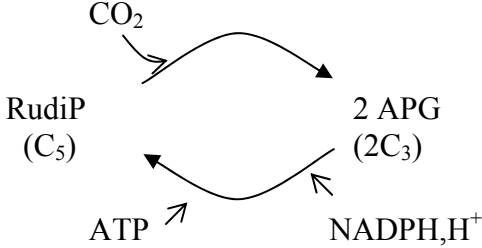
ACU

:3



	isoleucine	thréonine	asparagine	sérine U
A	isoleucine	thréonine	asparagine	sérine C
	isoleucine	thréonine	lysine	arginine A
	méthionine	thréonine	lysine	arginine G
	valine	alanine	acide aspartique	glycine U
G	valine	alanine	acide aspartique	glycine C
	valine	alanine	acide glutamique	glycine A
	valine	alanine	acide glutamique	glycine G
	leucine	proline	glutamine	arginine G

: (1)

0.5 X 4	<p>=) APG RudiP APG RudiP CO₂</p>	<p>1</p>
0.5X4	<p>(NADPH,H⁺ ATP) APG RudiP APG RudiP APG</p>	<p>2</p>
2 X 0.5	 <p>CO₂ RudiP (C₅) 2 APG (2C₃) ATP → NADPH,H⁺</p>	<p>3</p>
05		

:

1 1

-1

2	:G1	-	1
	:G2	-	
1	G1 G2	-	2
1	G1) C A G2	-	3
1		G2 G1	4

4

3

2

1

		2			:	1	
			3,2		:1	2	
					:2		1
)		
			(HbA ARNm			
				Hbs ARNm			
					:3		
		3	, HbA ARNm)			
				((ADN)	Hbs		
					:4		
)		
				()		
					:5		
			Val Glu 6)			
			.				
			6				
				(ADN		3	
					:1		
2					:2		
		1				1	
			:				2
					-		
					-	2	
			.				