

). ( : 1) -  
 [1]. -  
 . 2) 3- -  
 , , G [2]. ( ) -  
 , . -  
 , , -1C (7 -  
 ) -  
 . 3) -  
 [3]. , -  
 , . -  
 . -  
 (  $\lambda=540$  -  
 ), -  
 , -  
 . -  
 : 1. . . . , 8, 1981. – 493 .  
 2. . . . , 3, 1990, .75 – 77. 3. -  
 . . . . 10, 1991, . 13 – 18.

:57.043:532.78

\_\_\_\_\_ , . . .  
 . . . , . /

[3]. -

- . -  
: . -

-14.

[1]. -

( )

20 %  
1700<sup>0</sup> / )

2000<sup>0</sup> / ( -  
0 -80

20 30 %

-100 ÷ -120 -

100 ÷ -140,

( 0 - 30 )

40 , [3]. -

100 ° /

1 ° /

100 ° /

0 ° /

-10 -45 ° ,

-3 -35 ° /

=1 ° / 100

-27,5 ° -19 ° .

- : 1. // 92/ .- .,2006. - .
- 81-85. 2. « », 2005.- 325 .
- 3. *Leibo S.P. , McGrath J.J., Cravalco E.G.* Microscopic observation of intracellular ice formation in mouse ova as a function of cooling rates.// *Cryobiology.*- 1975.- N12.- p. 579-587.

: 547.787.2.07:535.37:542.953

\_\_\_\_\_ , . . , . . , . .