– 0, 200
: 10.1111/ .1600-048 .2008.04442. ,
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3 2007, 5 2008

# C A

. B , A N. , D. A

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( β- ), ( ),

*Soma e ia s@c abili*

β-

β-

3

2005;

( )

β-

( . 2002,

. 2005).

340 ×

( ).

400 μ , 96-

( , ),

( ; 5 μ , 240 μ , 60 μ );

(

; 5 μ , 100 μ ,

200 μ , 550 ).

( ( )

; 5 μ , 200 μ

590 ) β- (

; 3- ; 10 μ , 272 μ

, 2 μ , 492 ).

( %) 3.6% ( =10)

, 3.3% ( =10) , 4.0% ( =12)

β- , 4.2% ( =15)

5.7% ( =9) % 6.0%,

5.6% ( =17;

). β-

2.21 2.09 /, 0.616

0.599 μ /, 0.550 0.548 /,

( . 1992),

(87-99%)

2005

2006

% <2%.

( )

. (2001).

(2 ), (1:198),

(6 3 )

( ) 9.2 . % 1%.

(1989),

. (2001).

( )

( )

1990).

( )

(β =0.001, 95% =0.000, 0.001),
(β =0.009, 95% =0.002, 0.017),

## D

β-

( 1981, 1986, 2000).

(β =
−0.004, 95% = −0.106, 0.099), (β =
−0.210, 95% = −0.605, 0.185),
(β => 0.000, 95% = −0.104, 0.105; 1).
8.5

β-

~ 30%
( 2000)
( ± ; 288±124 μ /l),
β-
(3.20±1.92 /l),
(1.02±0.37 /l) ( 2000)
(2000)