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	Bull. Korean Chem. Soc. 2004, 25(3) 389-391*			
	*			
	: 6			:
(54)				
(57)				

(72)

2

930

114

20

328

106

89

104 801

1

(Abell i ophyll u m d i s t i c h u m)

2

(Abell i ophyll u m d i s t i c h u m)

3

1 2 , 0.001-30.0
%

4

1 2 , (a) , 1-4 ,
, , 1, 3-
, (b) (c)

5

1 2 , , , , (O'W
(WQ)

6

1 2

[0001]

[0002]

[0003]

(collagen), (hyaluronic acid), (elastin), (proteoglycan),
(fibronectin) DNA

[0004]

[0005]

[0006]

[0007]

[0008]

(Abellio phyllum distichum)

[0009]

0.001-30.0 %

[0010]

(a) 1-4

1,3

(b)

(c)

[0011]

(WQ

(OW

[0012]

[0013]

MP

MP

[0014]

[0015]

[0016]

[0017]

(Abellio phyllum distichum Nakai)

2

3-8cm, 0.5-3.0cm

3-4

25mm

2

9

White forsythia

(for. lilacinum),

(for. eburneum),

(for. viridicalycinum),

[0030]

[0031]

[0032]

[0033]

[0034]

[0035]

[0036]

[0037]

[0038]

[0039]

1:
 (Watanabe) #5 70%(V/V) 50 5 3
 1% 30% /

[0040]

[0041]

1: NBT
 1
 , BHT(Butylated Hydroxytoluene) 0.01% , NBT

[0042]

NBT
 (Nitro Blue Tetrazolium NBT)
 560nm

[0043]

[0044]

1. 0.05M Na_2CO_3 ----- 2. 4h

[0045]

2. 3mM ----- 0.1h

[0046]

3. 3mM EDTA ----- 0.1h

[0047]

4. BSA ----- 0.1h

[0048] 5. 0.72mM NBT ----- 0.1ml

[0049] 6 ----- 0.1ml

[0050] 7. 6mM CuCl₂ ----- 0.1ml

[0051] 1, 2, 3, 4, 5 (1 BHT) 0.1ml (: 0.01, 0.1, 1.0%) 25 10 .

[0052] 6 25 20 .

[0053] 7 560nm St .

[0054] Bt .

[0055] , (Blank) 6 Bo .

[0056] 1 , 1 .

1

[0057] (%) = 1 - (St - So) / (Bt - Bo) X 100

[0058] St : 560nm

[0059] Bt : 560nm

[0060] So : 560nm

[0061] Bo : 560nm

1

	(%)	(%)
	0.01	26.3
	0.1	55.6
	1.0	82.3
BHT	0.01	89.2

[0063] 1 , 0.01-1.0%

(1.0%) BHT .

[0064] **2 DPPH**

[0065] 1 C

DPPH .

[0066] DPPH DPPH(2,2-Di(4-tert-octylphenyl)-1-picrylhydrazyl)

DPPH

560nm .

[0067] 2,2-Di(4-tert-octylphenyl)-1-picrylhydrazyl (Aldrich Chem Co.,

MW 618.76) 0.1mM 61.88mg 100ml .

[0068] ,

[0069] 96- 0.1mM DPPH 0.15ml 0.15ml 25 10

[0070] 560nm St .

[0071] Bt .

[0072] , (Blank) 0.1mM DPPH Bo

[0073] 2 , 2 C(0.01%)

2

[0074] (%) = 1- (St-So) / (Bt-Bo) X 100

[0075] St : 560nm

[0076] Bt : 560nm

[0077] So : 560nm

[0078] Bo : 560nm

2

	(%)	(%)
	0.10	45.8
	0.50	86.5
C	0.01	86.1

[0080] 2 , 0.50% C
()

[0081] 3 MMP-1

[0082] (,) 48- (Nunc,)

1x 10⁶ , DMEM (Signal,) 37 24
1 DMEM
DMEM 48 MMP-1
(Amersham) MMP-1 (ng/) , 3 MMP-1
(10ng/ml, Roche,) , MMP-1 TGF-

3

[0083] MMP-1 (%) = 1- (MMP-1 / MMP-1) ? 100

3

[0084] MMP-1 (%)

	MMP-1 (%)
TCF-	68.5
(0.5%)	43.5
(1.0%)	65.8

[0085] 3 , MMP-1 , 1.0%
TCF- MMP-1

[0086] 4 MMP-1

[0087] MMP-1

UVA MMP-1 3

1
TGF- (10ng/mL) , MMP-1 3
4

4

[0088]

MMP-1 (%)	
	MMP-1 (%)
TGF-	78.5
(0.5%)	56.5
(1.0%)	85.8

[0089]

4 , MMP-1 TGF-
, 1.0%

[0090]

5

[0091]

48- 1 x 10⁶ , DMEM
24 1 DMEM () 48

[0092]

, (Takara,) (procollagen) I C
(PICP) ng/
TGF- (10ng/mL) 4
5

4

[0093]

(%) = / × 100

5

[0094]

	(%)
TGF-	165.6
(0.5%)	132.5
(1.0%)	183.8

[0095]

5 , TGF-

[0096]

6 B16F1

[0097]

1 B16F1
B16F1
B16F1 ATCC(American Type
Culture Collection)

[0098]

B16F1 B16F1 6
1 X 10⁵
72 72 -EDTA
(Lotan Cancer Res., 40: 3345-3350, 1980)
PBS 1 (50 mM , pH 6.8 1%

Triton X 100, 2 mM PMSF) 1ml 5 (3 000 rpm 10)
 1N NaOH 10% DMSO
 405nm (%)
 B16F1 (%) 5 , 6
 . IC₅₀ 50% .

5

[0099] (%) = [(A-B)/A] X100

[0100] A :

[0101] B :

6

[0102]

(%)	(%)
0.5%	35.9
1.0%	75.8
(0.1%)	58.9

[0103]

6

[0104]

7.

[0105]

1

(1)

(1)

[0106]

) 20

1

1

1

2 3

[0107]

2

(cutometer SEM 575, C+K

Electronic Co., Germany)

8 Cutometer SEM 575 R8

R8

(viscoelasticity)

7

[0108]

	1	1
	3 0	-
	2 0	2 0
	2 2	2 2
	1.5	1.5
	1.0	1.0
60	1.5	1.5
	0.6	0.6
	1.0	1.0
	3 0	3 0
	5 0	5 0
	5 0	5 0
	1.0	1.0
	0 1	0 1
	5 0	5 0
	3 0	3 0
	1.0	1.0
	4 0	4 0
, ,		
	100	100

[0109]

%

8

[0110]

	(R8)
1	0 28
1	0 12

[0111]

8

(1)

2 5

1

[0112]

8

[0113]

7

(1 1)

,

[0114]

22

45%

24

(2 /1) 4

(Corneometer CM25, Courage + Khazaka ,)

9

9

[0115]

	1	1
0	25.6	24.4
4	38.7	26.2
4 -0	13.1	1.8

[0116] 9 , (1) .