

(19) (KR)
(12) (B1)

(51) 。 Int. Cl.⁷
C12N 1/20

(45)
(11)
(24)

2005 01 24
10-0467068
2005 01 10

(21) 10-2002-0012017
(22) 2002 03 06

(65)
(43)

10-2003-0072812
2003 09 19

(73) 1326 가 1 1502

(72) 1326 가 1-1502

1342 203-1901

4934 105-1603

101-401

(74)
:

(54) -19,

(Propioni bacterium acnes)
(Lactococcus lactis) CBT - 19 (Lactococcus lactis) CBT - 19

3%~5% , 0.5%~1% , 1%~1.5% , 0.5%
 , 0.01%~0.1% 가 가 ,

membrane 1,000dalton 10,000dalton nanometer membrane
 membrane 가 , 1,000dalton nanometer
 membrane 1,000~10,000dalton pH

1 CBT - 19
 2 CBT - 19
 3 CBT - 19
 4 CBT - 19 (Propionibacterium acnes)

(Lactococcus lactis) CBT - 19,

(Propionibacterium acnes)
CBT - 19,

pH
가
(Bifidobacterium)

(Streptococcus thermophilus),

(Lactobacillus)

가
가

[1]



ndamycine),

(erythromycin)
가
(Propionibacterium acnes)

가
가

(tetracycline),

(ci

가 가

가

가

가

가

onibacterium acnes) (Propi

(Lactococcus lactis) CBT - 19 가

s) (Propionibacterium acne
(Lactococcus lactis) CBT - 19 가

3~5 % , 0.5~1 % , 1~1.5 % , 0.5~1 % 가

0.01~0.1 %

ration) (Ultrafilt 가

10,000 (Ultrafiltration membrane) , 1,000 가

(Nanometer membrane) 1,000 (Nanometer membrane) 가

1,000~10,000 pH

가

가

가

0.01 % 10Au/G

가

W/O, O/W

n), (Pantethine), (Sodium hyaluronic acid), (Lactoferrin), (Serum protei
(Salicylic acid), (Triclosan) 가

-19 (Lactococcus lactis) CBT
(Propionibacterium acnes)

1) (101)

(Propionibacterium acnes)
800Au/ml
ococcus lactis CBT - 19)

가

(KCTC10180BP)

(KCTC:

CBT - 19 (Lact

2)

CBT - 19

1, 2

2

1. CBT - 19

	/	4 /24
		+
	가	-
	-	+
2-		+
6- -2- - -	-	-
- -	-	-
2- - - -	-	-
2-		-
- -2-		-
		+
		+
-		+
		+
		-
		+
		+
		-
		+
		Weak

2. (Lactococcus lactis) CBT - 19

1		Weak
2		-
3		-
4		+
5		+
6		-

7		-
8		-
9	-	-
10		+
11		+
12		+
13		+
14		-
15		-
16		-
17		-
18		Weak
19		-
20	- -	-
21	- -	-
22		+
23		Weak
24		+
25		+
26		+
27		+
28		+
29		Weak
30		+
31		+
32		Weak
33		-
34		-
35		+
36		-
37		-
38		-
39		Weak
40		-
41		-
42	가	-
43		-
44		-
45		-
46		-
47		-
48	2	+
49	5	-

5 가 1,000
 1000~10,000 1/10 10
 5~50% 1,600~16,000Au/g
 2)-5)
 4. 2)-5)

	(w/w %)			
	2	3	4	5
1)	To 100	To 100	To 100	To 100
2)	10.0	10.0	10.0	10.0
3)	5.0	5.0	5.0	5.0
4)	1.0	1.0	1.0	1.0
5) (1000~2000Au/g)	5.0	5.0	5.0	5.0
6)	10	10	10	10
7)	-	0.5	-	0.5
8)	-	-	0.3	0.3
9)	0.5	0.5	0.5	0.5
10)				
11)				

1)~5) 6)~11) 40 가
 1)~5) Agi-mixer
Propionibacterium acnes
 5)Lactopad 7)Salicylic acid, 8)Triclosan

5. 6)-9)

	(w/w %)			
	6	7	8	9
1)	1.7	1.7	1.7	1.7
2) 60	1.2	1.2	1.2	1.2
3) e	0.5	0.5	0.5	0.5
4)	0.5	0.5	0.5	0.5
5)	3.0	3.0	3.0	3.0
6) -	4.0	4.0	4.0	4.0
7)	0.2	0.2	0.2	0.2
8)	0.1	0.1	0.1	0.1
9)	3.0	3.0	3.0	3.0
10)	To 100	To 100	To 100	To 100
11)	5.0	5.0	5.0	5.0
12) (1000~2000AU/g)	5.0	5.0	5.0	5.0
13)	-	0.5	-	0.5

14)	-	-	0.3	0.3
15)				
16)	1.0	1.0	1.0	1.0

1)~9) 가 65~70 10)~11) homo-mixer
 가 65~70
 12)~16) Propionibacterium acnes
 5)Lactopad 7)Salicylic acid, 8)Triclosan
 2)~9) , 5 , 37 , 45

(LACTOPAD)

6- 7

6.

		0	10	20	30	40	50
	(Au/g)	100	100	100	100	100	100
		White	White	White	White	White	White
	(Au/g)	100	100	100	100	100	100
		White	White	White	White	White	White
	(Au/g)	100	100	100	100	100	100
		White	White	White	White	White	White

7.

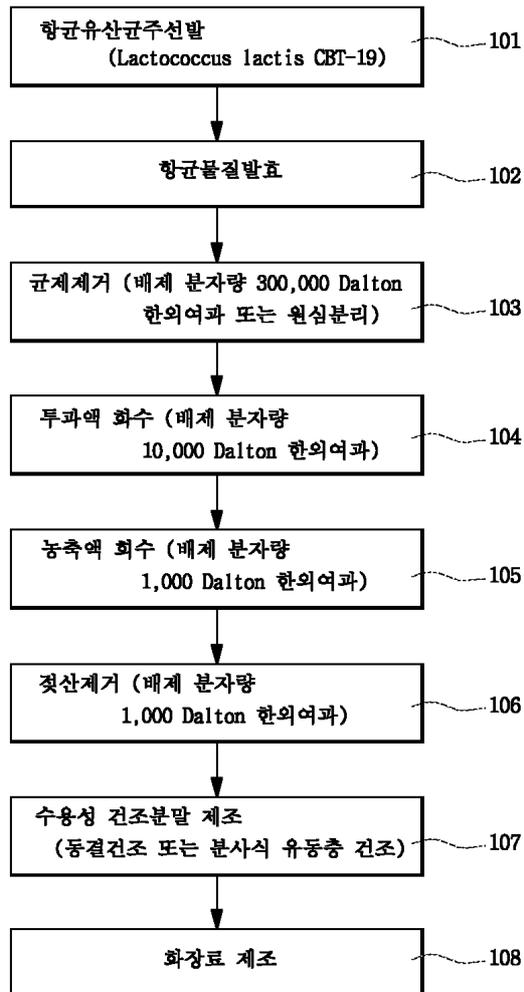
(100Au/g)		4	6	8	2
		8	8	4	0
		10	4	4	1
		6	6	7	1
		8	8	2	2

(20 15)

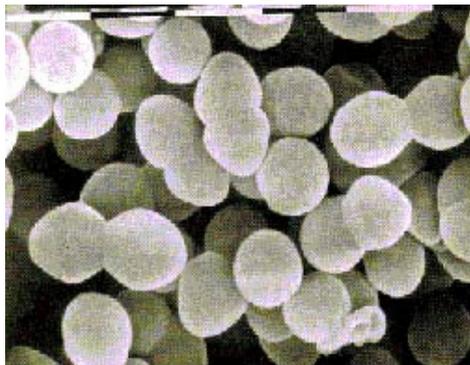
가

(Propionibacterium acnes)

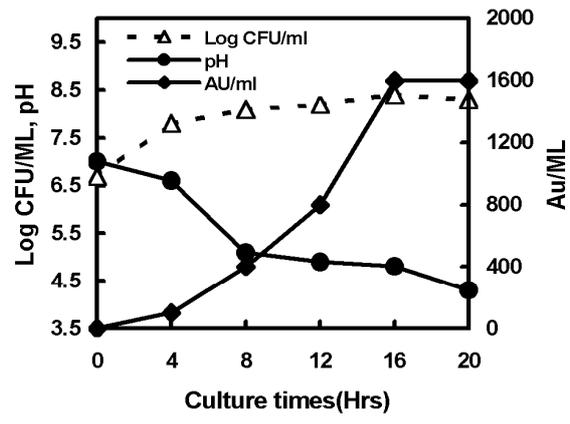
1



2



3



4

