

# 3in1

( , 가 )  
 ( 가 )  
 LD50 2000mg/kg

0-157  
 MRSA( 가 )  
 (1 가 )  
 24 1/100

가

가



(銀系抗菌劑)

가 가

가 가

가 (Hg)

가 (Ag), (Cu), (Zn) 3 가

3 10  
 가 가

가

“ ”

“ ”

[ ]

1. 가
2. 가
3. 가
4. 가
5. 가



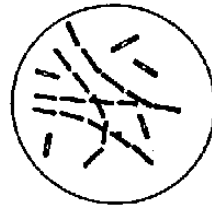
[ ]

(Japan Food Research Laboratories)

spores)가 70 가 (fungi) (bacillus spores)가 100 3  
 150 1 , (mould

( )  
 :  
 (Mucor Genus)

가

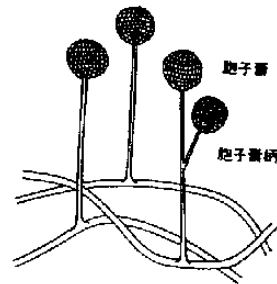


: 100 , 3  
 : 150 , 1

枯草菌

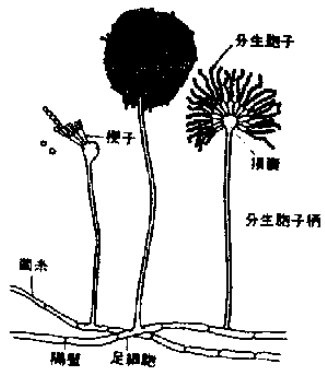
( )

가



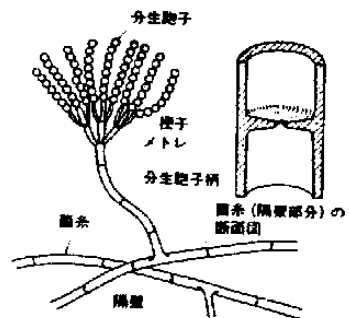
: 60 , 10  
 : 70 , 10

Mucor の横式図



Aspergillus の横式図

( )

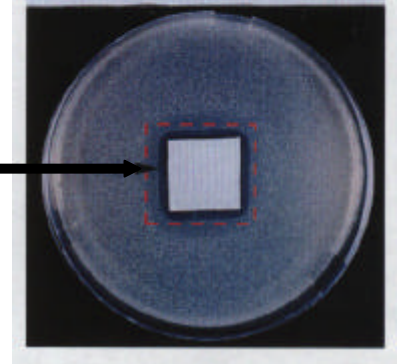
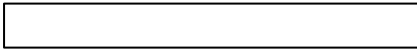
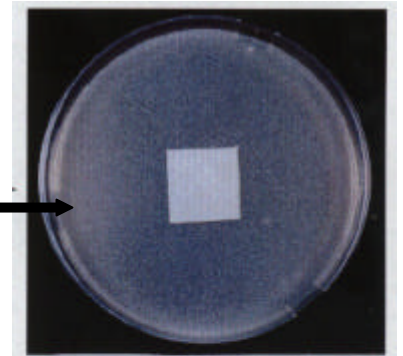


Penicillium の横式図

: 3in1 &

가

: HALO TEST  
가  
halo test



가 .( )

(Japan Food Research Laboratories)  
가 0.45 $\mu$ m

0.3 $\mu$ m 가 . [ 2]  
(Anti-bacterial)

(Anti-bacterial treatment)가

[ 2]

.( [ 2] 가 .)

1.

6

2.

1

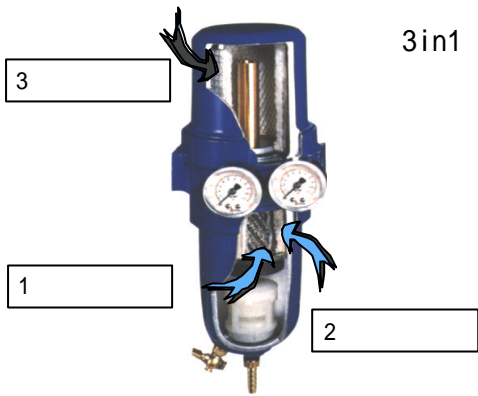
가 .



( )

( 1 )

# 3-in-1



1 40 $\mu$ m

3in1

가

가 1

2 5 $\mu$ m

5%

2

가

5 $\mu$ m

5 $\mu$ m

3 0.01 $\mu$ m



3

99.991%,

0.45 $\mu$ m

99.99%

Donaldson Japan  
0.00017ppm w/w,

0.01 $\mu$ m

가

DOP TEST

0.021kgf/cm<sup>2</sup>

가

3in1

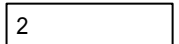
3in1

3

가

가

( , )



# (Anti-bacterial Air filters)

(metal body)

(bacteria)

Maeda

1Mpa

) 3in1

2 (0.01 microns

, Excel Clean(3 microns 0.97Mpa )

가 가 (media)

가 0.01 microns

COMBI

&

100%

, 0.01 $\mu$ m

, 99.99%

0.01ppm(w/w)

(3 ~ 1.5%)

+

+

+

Clean & Dry



Excel Clean



3in1



Excel



Combi &