

Rådgivning og analyseservice
DESINFEKTIONS RÅDGIVEREN Aps

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Hygiene Report

28-02-2012

Client : Novartis Healthcare A/S
Lyngbyvej 172, 2100 København Ø

Subject : Poultry house number 1 (7200 m² surface)

Test date : 15 and 16-02-2012

Performer : Ove Christoffersen

Method : Hygicult (Total Fungi count/cm² before and after use of Germ Patrol concentrated)

Purpose : To see the effect after disinfection (low pressure manuel)

After cleaning of stable with 10 liter of alkaline detergent, the amount of bacteria has been measured on the floor (concrete) and inventory (plastic, galvanized steel and painted walls). A ready to use solution of concentrated Germ Patrol was brought into the house by low pressure – 133 ml per square meter surface. The surfaces were wet for app. 15 minutes. Temperature in house was 17,3 °C. After 24 hours the amount of fungi has been measured again. After incubation for 72 hours, at 29 °C the following result has appeared.

Results Hygicult Y&F:

SUBJECT	Poultry house	Total fungi count/cm ² before Germ Patrol	Total fungi count/cm ² after Germ Patrol
1	Floor (concrete) A	30	0-1
2	Floor (concrete) A	40	0-1
3	Floor (concrete) B	40	0-1
4	Floor (concrete) B	30	0-1
5	Floor (concrete) C	30	0-1
6	Floor (concrete) C	30	0-1
7	Floor (concrete) D	40	0-1
8	Floor (concrete) D	40	0-1
9	Floor (concrete) E	30	0-1
10	Floor (concrete) E	30	0-1
11	Floor (concrete) F	20	0-1
12	Floor (concrete) F	30	0-1
13	Floor (concrete) G	20	0-1
14	Floor (concrete) G	30	0-1
15	Floor (concrete) H	30	0-1
16	Floor (concrete) H	30	0-1
17	Floor (concrete) I	30	0-1

18 : Floor (concrete) I	30	0-1
19 : Blindtest	0	0
20: Blindtest	0	0
21: Waterline (plastic) 1-f2	10	0-1
22: Waterline (plastic) 1-f2	10	0-1
23: Waterline (plastic) 2-f8	10	0-1
24: Waterline (plastic) 2-f8	20	0-1
25: Waterline (plastic) 3-f11	20	0-1
26: Waterline (plastic) 3-f11	10	0-1
27: Waterline (plastic) 4-f12	20	0-1
28: Waterline (plastic) 4-f12	10	0-1
29: Waterline (plastic) 5-f14	10	0-1
30: Waterline (plastic) 5-f14	10	0-1
31: Feed line (galvanized) 1-f2	20	0-1
32: Feed line (galvanized) 1-f2	20	0-1
33: Feed line (galvanized) 2-f7	10	0-1
34: Feed line (galvanized) 2-f7	20	0-1
35: Feed line (galvanized) 3-f11	30	0-1
36: Feed line (galvanized) 3-f11	20	0-1
37: Feed line (galvanized) 4-f14	20	0-1
38: Feed line (galvanized) 4-f14	20	0-1
39: Wall (painted) right side f7	20	0-1
40: Wall (painted) right side f7	20	0-1
41: Wall (painted) right side f14	20	0-1
42: Wall (painted) right side f14	20	0-1
43: Wall (painted) left side f14	20	0-1
44: Wall (painted) left side f14	20	0-1
45: Wall (painted) left side f5	20	0-1
46: Wall (painted) left side f5	20	0-1
47: Side ventilation (plastic) L-f14	20	0-1
48: Side ventilation (plastic) L-f14	20	0-1
49: Side ventilation (plastic) L-f1	20	0-1
50: Side ventilation (plastic) L-f1	20	0-1
51: Side ventilation (plastic) R-f4	20	0-1
52: Side ventilation (plastic) R-f4	20	0-1
53: Side ventilation (plastic) R-f12	20	0-1
54: Side ventilation (plastic) R-f12	20	0-1
55: Door (aluminum)	20	0-1
56: Door (aluminum)	30	0-1
57: Door (aluminum)	30	0-1
58: Door (aluminum)	30	0-1
59: Blind test	0	0
60: Blind test	0	0

Total fungi count/cm ² before Germ Patrol	Total fungi count/cm ² after Germ Patrol
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INDEX floor:	31,1	0.0
INDEX inventory:	18,9	0.0
INDEX total:	22,9	0.0

All numbers are per cm² and average from 9,5cm² per measure.

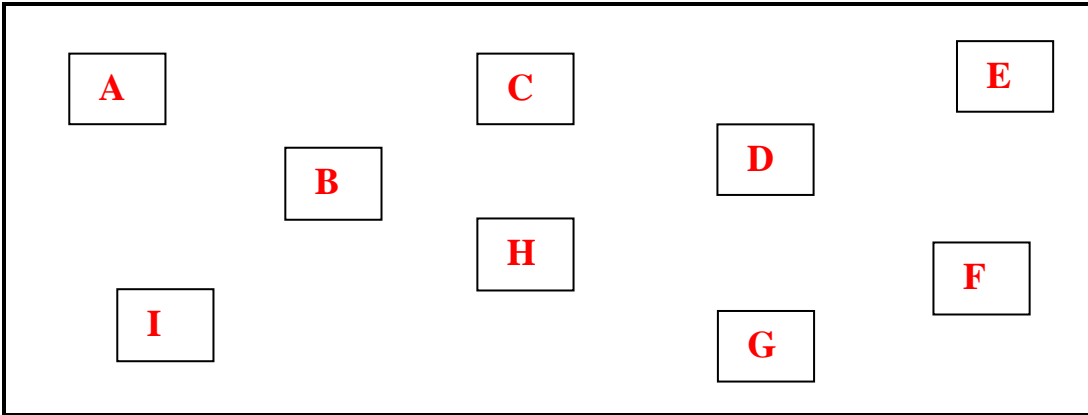
CONCLUSION: The aim is values between 1 and 1,5.
Reduction of fungi on floor and totally fulfill the norm.
Index must be below 1.0



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POULTRYHOUSE: test spots



Red letters are test spots on floor

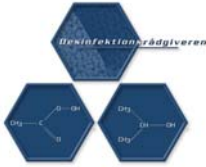
Waterline number 5
Waterline number 4
Waterline number 3
Waterline number 2
Waterline number 1

f1 f2 f3 f4 f5 f6 f7 f8 f9 f10 f11 f12 f13 f14

Waterline 3-f7 = test spot waterline 3-f7

Feed chain 4
Feed chain 3
Feed chain 2
Feed chain 1

f1 f2 f3 f4 f5 f6 f7 f8 f9 f10 f11 f12 f13 f14



Hygiene Report

28-02-2012

Client : Novartis Healthcare A/S
Lyngbyvej 172, 2100 København Ø

Subject : Poultry house number 2 (7200 m² surface)

Test date : 15 and 16-02-2012

Performer : Ove Christoffersen

Method : Hygicult (Total Fungi count/cm² before and after use of Germ Patrol diluted 1:1 – 50%)

Purpose : To see the effect after disinfection (low pressure manuel)

After cleaning of stable with 10 liter of alkaline detergent, the amount of bacteria has been measured on the floor (concrete) and inventory (plastic, galvanized steel and painted walls). A ready to use solution of Germ Patrol 50% was brought into the house by low pressure – 133 ml per square meter surface. The surfaces were wet for app. 25 minutes. Temperature in house was 17,1 °C. After 24 hours the amount of fungi has been measured again. After incubation for 72 hours, at 29 °C the following result has appeared.

Results Hygicult Y&F:

SUBJECT	Poultry house	Total fungi count/cm ² before Germ Patrol 50%	Total fungi count/cm ² after Germ Patrol 50%
1	Floor (concrete) A	30	0-1
2	Floor (concrete) A	40	1
3	Floor (concrete) B	30	1
4	Floor (concrete) B	30	0-1
5	Floor (concrete) C	30	1
6	Floor (concrete) C	30	0-1
7	Floor (concrete) D	30	1
8	Floor (concrete) D	30	0-1
9	Floor (concrete) E	30	1
10	Floor (concrete) E	30	0-1
11	Floor (concrete) F	30	0-1
12	Floor (concrete) F	40	1
13	Floor (concrete) G	20	0-1
14	Floor (concrete) G	20	0-1
15	Floor (concrete) H	30	1
16	Floor (concrete) H	20	0-1
17	Floor (concrete) I	40	1

18 : Floor (concrete) I	30	1
19 : Blindtest	0	0
20: Blindtest	0	0
21: Waterline (plastic) 1-f2	10	0-1
22: Waterline (plastic) 1-f2	10	0-1
23: Waterline (plastic) 2-f8	10	0-1
24: Waterline (plastic) 2-f8	10	0-1
25: Waterline (plastic) 3-f11	10	0-1
26: Waterline (plastic) 3-f11	10	0-1
27: Waterline (plastic) 4-f12	20	0-1
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29: Waterline (plastic) 5-f14	10	0-1
30: Waterline (plastic) 5-f14	20	0-1
31: Feed line (galvanized) 1-f2	20	1
32: Feed line (galvanized) 1-f2	20	1
33: Feed line (galvanized) 2-f7	20	0-1
34: Feed line (galvanized) 2-f7	20	1
35: Feed line (galvanized) 3-f11	20	1
36: Feed line (galvanized) 3-f11	20	0-1
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42: Wall (painted) right side f14	20	0-1
43: Wall (painted) left side f14	20	0-1
44: Wall (painted) left side f14	30	1
45: Wall (painted) left side f5	20	0-1
46: Wall (painted) left side f5	20	1
47: Side ventilation (plastic) L-f14	20	0-1
48: Side ventilation (plastic) L-f14	30	0-1
49: Side ventilation (plastic) L-f1	20	1
50: Side ventilation (plastic) L-f1	30	1
51: Side ventilation (plastic) R-f4	20	0-1
52: Side ventilation (plastic) R-f4	20	0-1
53: Side ventilation (plastic) R-f12	20	1
54: Side ventilation (plastic) R-f12	30	1
55: Door (aluminum)	20	0-1
56: Door (aluminum)	20	0-1
57: Door (aluminum)	30	1
58: Door (aluminum)	20	0-1
59: Blind test	0	0
60: Blind test	0	0

Total fungi count/cm ² before Germ Patrol	Total fungi count/cm ² after Germ Patrol
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INDEX floor:	30.0	0.5
INDEX inventory:	19.2	0.3
INDEX total:	22,7	0.4

All numbers are per cm² and average from 9,5cm² per measure.

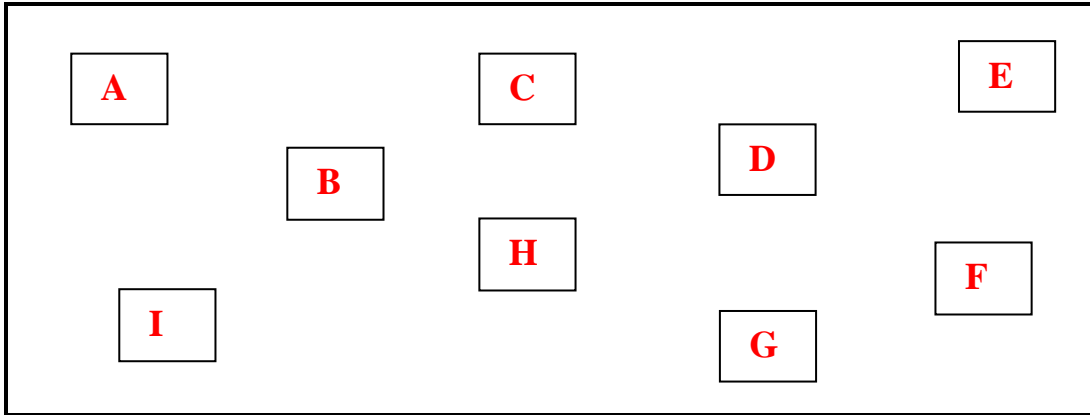
CONCLUSION: The aim is values between 1 and 1,5.
Reduction of fungi on floor and totally fulfill the norm.
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POULTRYHOUSE: test spots



Red letters are test spots on floor

Waterline number 5
Waterline number 4
Waterline number 3
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Waterline number 1

f1 f2 f3 f4 f5 f6 f7 f8 f9 f10 f11 f12 f13 f14

Waterline 3-f7 = test spot waterline 3-f7

Feed chain 4
Feed chain 3
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f1 f2 f3 f4 f5 f6 f7 f8 f9 f10 f11 f12 f13 f14

