



# 《微生物学检验实训指导》编委会

关静岩

2015. 2. 26

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A B C D E

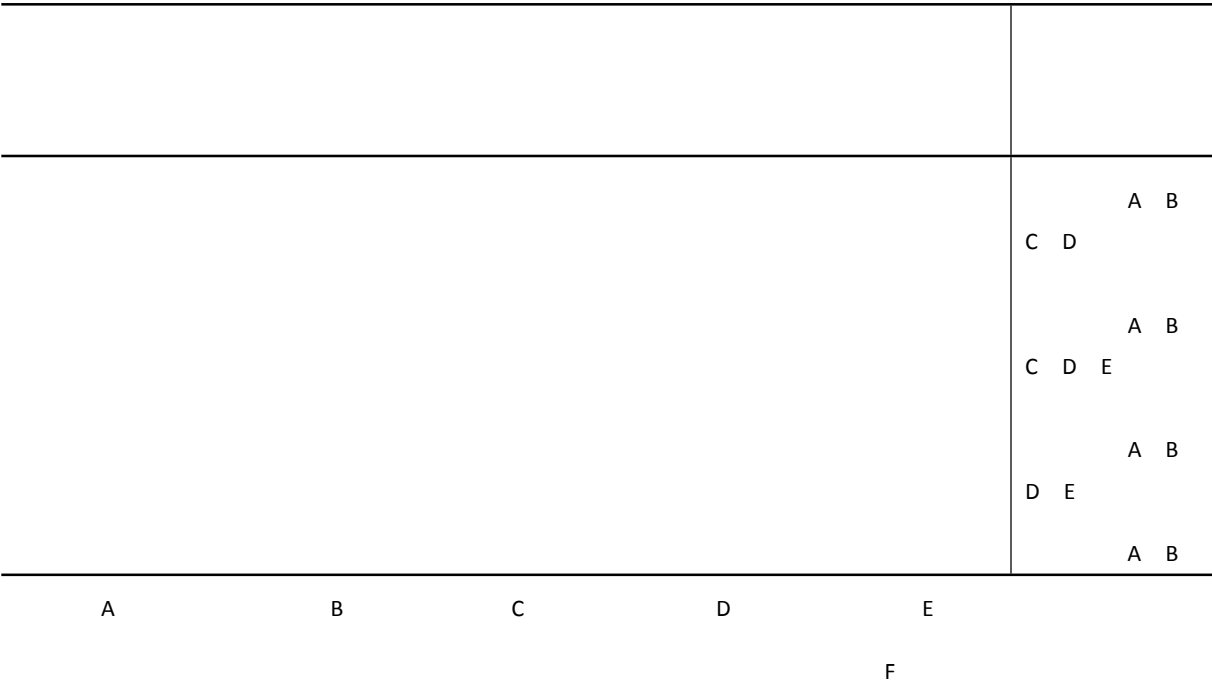
A B C D SS E

A H  
B H  
C  
D  
E

A B C D E

A B C D E

A  
L A N  
A N  
N A



cfu/m <sup>3</sup>		cfu/m <sup>3</sup>
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	1000	2000

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1250	2500
	1~2
	<30
	31~125
	126~150
	<300
	>301

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PBS



$$\text{物体表面细菌菌落总数}(cfu/cm^2) = \frac{\text{平均平皿菌落数} \times \text{采样液稀释倍数}}{\text{采样面积}(cm^2)}$$

$$\text{细菌总数}(cfu/cm^2) = \frac{\text{平皿上菌落的平均数} \times \text{稀释倍数}}{30 \times 2}$$

A

A

B

C

D

E

A

B

C

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A

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B

C

D

E

A

B

C

D

E

A

B

C

D

E

A            B                            C                            D                            E  
B

A    B    C  
D    E

E   B   A   D   B   C   A   A   B   B   E   D   B   B   E   C  
D

**5**

MIU

V P

IMV C

V P

V P

V P

KIA



K

A

A

K

H S

MIU

MIU

MIU

VP

MIU

A

B

C

D MIU

E

A

B

C

D

E

IMV C

A

B

C VP

D

E

A

B

C

D

E

A

B

BTB

C

D

E

KIA

A

B

C

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MIU

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B VP

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C

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A

C

P









ATCC

ATCC

ATCC

PBS

L PBS

MBC

A

A

B

C

D

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A

B

C

D

E

A

B

DNA

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O F

H O

G

H O

O F

O F

MH

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A

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C

D

E

A

B

C

D

C A A D D D C B A A B C

ATCC

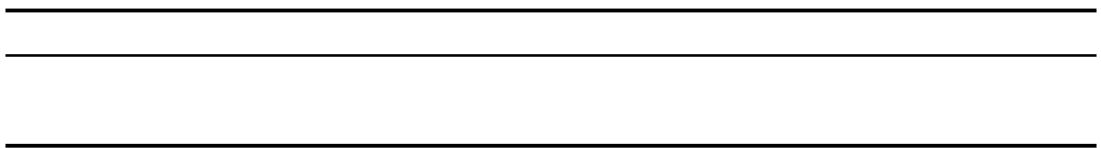
M H

M H

M H

M H

M H





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CO

S I R

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GN  
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FOX  
CIP  
VA  
DA  
SXT

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ATCC

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GN  
P  
FOX  
CIP  
VA  
DA  
SXT

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A  
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E

B  
D

A  
B  
C  
D  
E

A TBC

B MBC

C BAC

D CBC

E MIC

A K B

B

C E

D

E

K B

A

B

C S S

D

E E M B

A H

B

C

D

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K B

A

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C

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A

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C

D

E

MIC

A

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M H

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C

D

E

K B

K B

K B

A MRSA

B MIC

C MBC

D AST

E CLSI

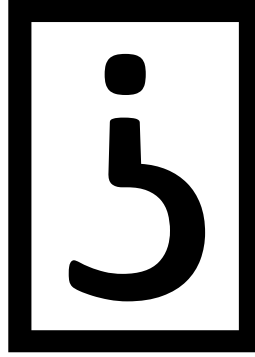
A

B

C

D

E



A

B

D

MH

H O

PYR

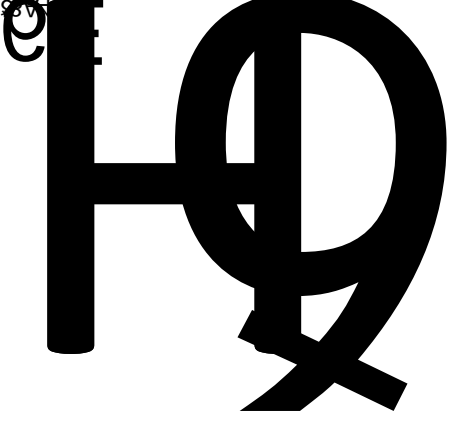
P

O

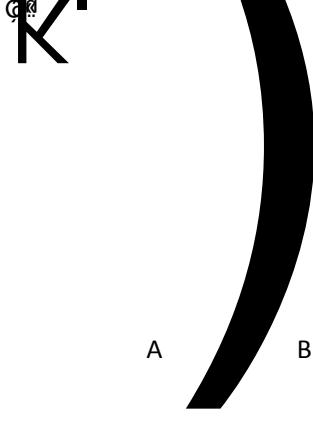
A B

D



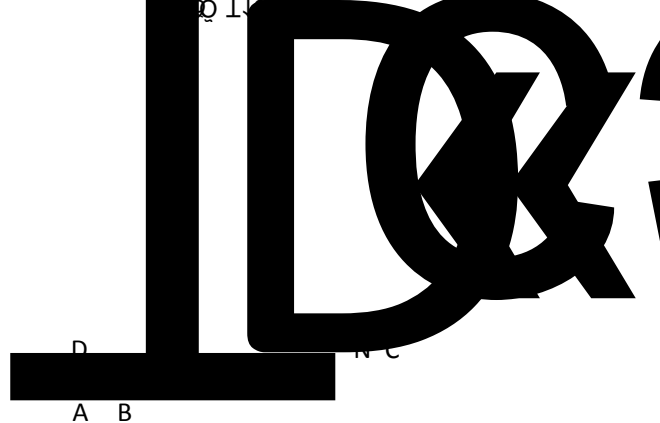


D



A

B



D

A

B

D

A

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A

A

A

B

C

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E O

O

A

B

C

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E

B

A CAMP

B PYR

C

D

E

B

D

A G

B G

C G

D G

E G

SS

KIA

IMV C

MIU

SS

SS

EMB

SS



IMV C

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	KIA	IMV C	MIU

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A

A		B		C	
D		E			
A EMB		B SS		C MAC	
D					E KIA
A		B		C	
D					E
A		B		C	
D					E



A  
B  
C  
D  
E

A B C

A B C  
D E

A B C  
D E

O H  
A EIEC B EPEC C ETEC D EHEC E EAEC  
B

A SS B EMB C TCBS D MIU E KIA

A EIEC B EPEC C ETEC D EHEC E EAEC

A B C  
D E

EMB  
MAC

SS

SS

A B C D E

SS G

EMB G

A B

C D

E

E B B A E A B B A D B B C C A  
D C D C A D E B C A D C E A  
A B A D E

**2**

A F O

A F O

H

H

A F O

V

V

V

A F

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	O	H
A		
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C	V	
D	V	
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O V  
A B C  
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D E B

C A B E A D E

**3**

O H H PA PB

O H PA PB O H PA PB

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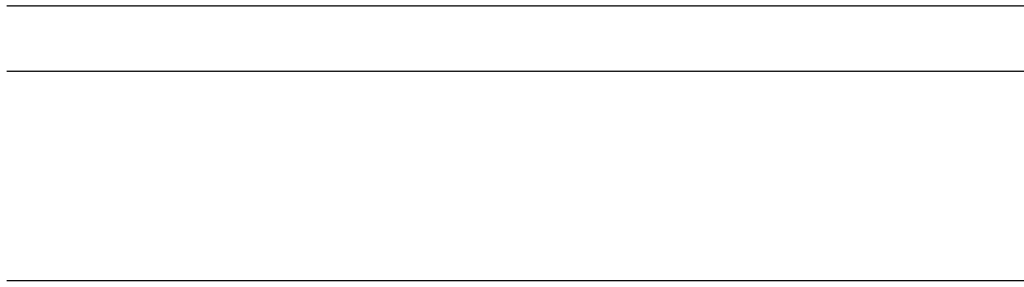
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O  
H  
PA  
PB

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H PB O H H PA



O H O H A B C H  
O H O H  
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A

A B C D E

A B C  
D E

A O H  
B O H  
C O H

D O H H  
E V  
TO TH PA PB  
A B C D E

TO TH PA PB  
A B C  
D E  
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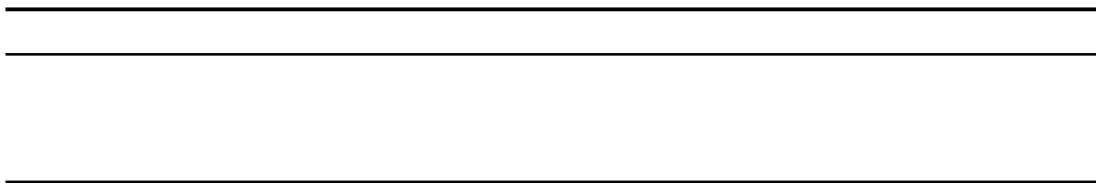
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- P H
- VP
12. NC KHPO
- H
- P
13. H
- P
14. NC KHPO
- H
- P
15. O/F



16



K HPO N C "d

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H S

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23

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24

DL

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25

P

26.

P

27

H

28

EPV

B

H

P

B

29.

H

30

H

P

31

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32. SS

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35

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36

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37. M-H

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38 L

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39

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**40. GAM**

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