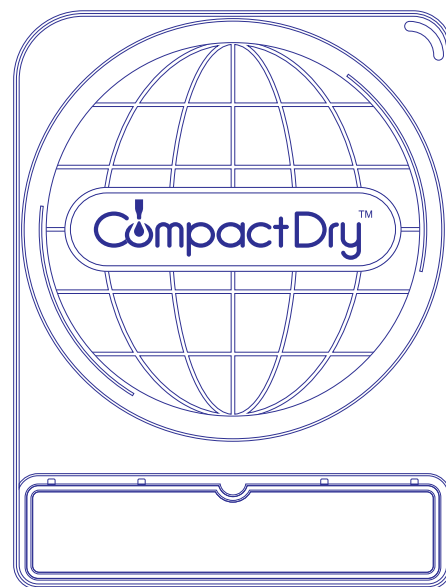


CompactDry™

Simple and Easy Dry Media for Microbial Count and Detection



- Total Viable Count 
- Escherichia coli* and Coliform 
- Coliform 
- Yeast and Mold 
- Staphylococcus aureus* 
- Vibrio parahaemolyticus* 
- Bacillus cereus* 
- Listeria species* 
- Listeria monocytogenes* 
- Pseudomonas aeruginosa* 
- Enterobacteriaceae* 
- Enterococcus species* 
- Escherichia coli* 
- Salmonella species* 
- Water Heterotroph bacteria 

Why CompactDry™?

How to Use



1
Uncap



2
Inoculate



Major Applications



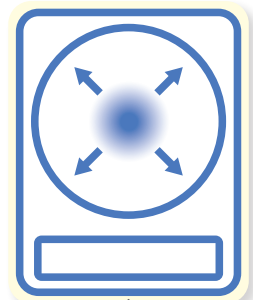
Food



Drinking Water



Environment

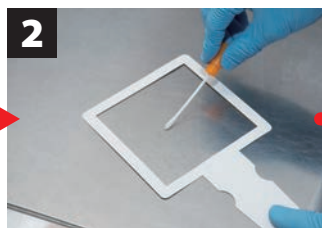


Self Diffusion

Swab Sampling



1

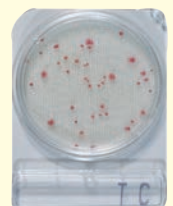


2



3

Incubation



Easy Wiping Kit



1mL
(Buffered Peptone Water)
Easy Wiping
kit(BPW) II



1mL
(Phosphate Buffered Saline)
Easy Wiping
kit(PBS)CC II



10mL
(Phosphate Buffered Saline)
Swab Test ST-
25PBS



3

Recap



4

Incubate

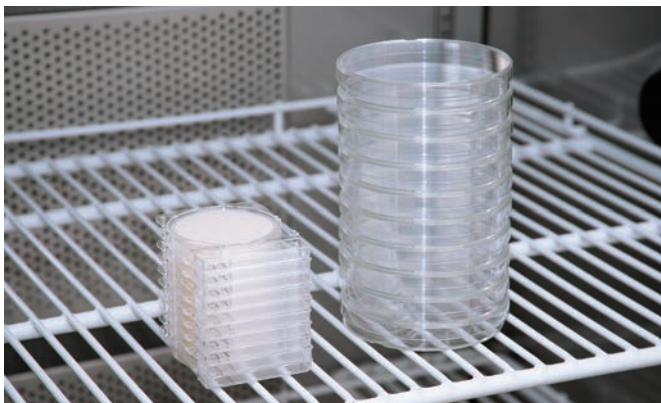


5

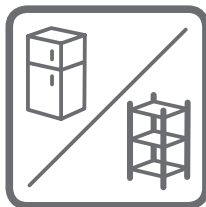
Count

Compact

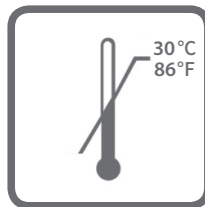
● Unlimited Stackable



Dry



Storage Everywhere



Storage at 1 to 30°C



Long Shelf Life

Reliable Quality

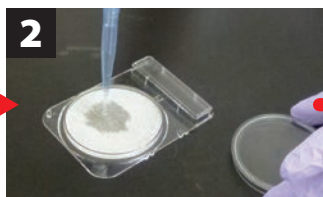
Made in Japan

Airborne Microbe Sampling



1

Leave for a certain period of time



2

1mL Sterilized Saline Solution



Incubation

Membrane Filter Method



1



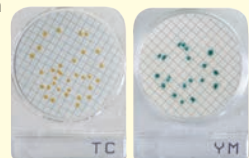
2

1mL Sterilized Saline Solution or Sterilized Water



3

Incubation



Total Viable Count

AOAC / MicroVal / NordVal /

CompactDry TC



Incubation Temperature

$35 \pm 1^\circ\text{C}$
(MicroVal : $30 \pm 1^\circ\text{C}$)

Incubation Time

48 ± 3 hours

Interpretation

All colonies

● / ○

Total Viable Count (Rapid type)

AOAC

CompactDry TCR



Incubation Temperature

$35 \pm 1^\circ\text{C}$ or
 $32 \pm 1^\circ\text{C}$ (for dairy products)

Incubation Time

24 ± 2 or 48 ± 3 hours

Interpretation

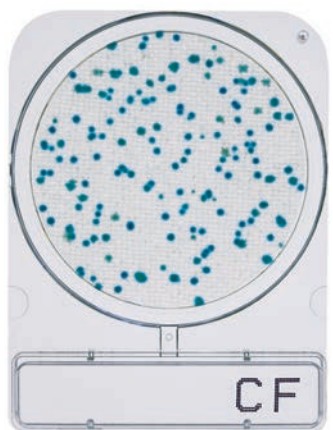
All colonies

● / ○

Coliform

AOAC / MicroVal / NordVal

CompactDry CF



Incubation Temperature

$35 \pm 1^\circ\text{C}$
(MicroVal : $37 \pm 1^\circ\text{C}$)

Incubation Time

24 ± 2 hours

Interpretation

Blue / Blue green colonies

● / ●

Coliform (Rapid type)

MicroVal

CompactDry CFR



Incubation Temperature

$35 \pm 1^\circ\text{C}$

Incubation Time

6-16 hours (Rapid detection)
16-18 hours (Rapid confirmation)

Interpretation

Blue-white fluorescence under
365nm UV
Blue / Blue green colonies

● / ● / ● (Under 365nm UV)



Under 365nm UV

Coliform (in products with lactic acid bacteria)

CompactDry CF-L



Incubation Temperature

$35 \pm 1^\circ\text{C}$

Incubation Time

24 ± 2 hours

Interpretation

Blue / Blue green colonies

● / ●

Escherichia coli and Coliform

AOAC / MicroVal / NordVal /

CompactDry EC



Incubation Temperature

$35 \pm 1^\circ\text{C}$
(MicroVal : $37 \pm 1^\circ\text{C}$)

Incubation Time

24 ± 2 hours

Interpretation

E. coli : Blue / Blue purple colonies
Coliform : Total number of both red and blue colonies

● / ●

Escherichia coli

CompactDry ECO



Incubation Temperature

35 or 37 ± 1°C

Incubation Time

24 ± 2 hours

Interpretation

Blue/ Blue purple colonies



Enterobacteriaceae

AOAC / MicroVal / NordVal

CompactDry ETB



Incubation Temperature

37 ± 1°C

Incubation Time

24 ± 2 hours

Interpretation

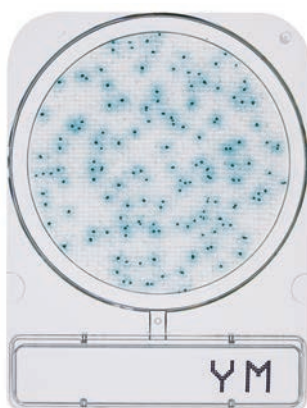
Red / Red-Purple colonies



Yeast and Mold / Yeast and Mold (Rapid type)

AOAC / MicroVal / NordVal

CompactDry YM / CompactDry YMR



Incubation Temperature

25 ± 1°C

Incubation Time

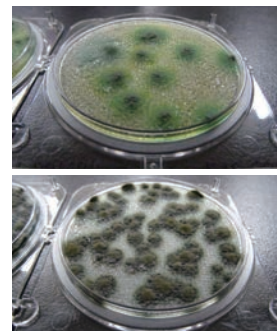
YM: 3-7 days
YMR: 72 ± 3 hours

Interpretation

Yeast : Blue or white to cream colonies
Mold : Cottony colonies with mold colors
All colonies



3D Growth of Molds



Photos Courtesy of NPO Center for Fungal Consultation Japan

Staphylococcus aureus

AOAC / MicroVal / NordVal

CompactDry X-SA



Incubation Temperature

37 ± 1°C

Incubation Time

24 ± 2 hours

Interpretation

Light blue / Blue colonies



Bacillus cereus

AOAC / MicroVal

CompactDry BC



Incubation Temperature

30 ± 1°C

Incubation Time

24 ± 2 hours

Interpretation

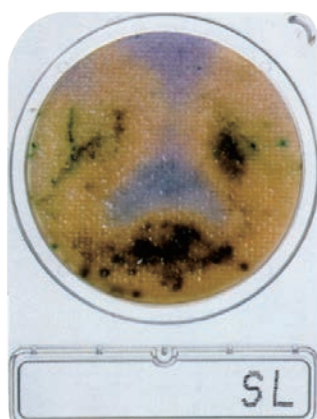
Blue / Pale blue colonies



Salmonella species

MicroVal

CompactDry SL



pre-enrichment w/BPW

$36 \pm 1^\circ\text{C}$ @ 22 ± 2 hours

Incubation Time

$41.5 \pm 1^\circ\text{C}$ @ 22 ± 2 hours

Interpretation

Medium color change to yellow



Vibrio parahaemolyticus

CompactDry VP



Incubation Temperature

$35 \pm 1^\circ\text{C}$

Incubation Time

19 ± 1 hours

Interpretation

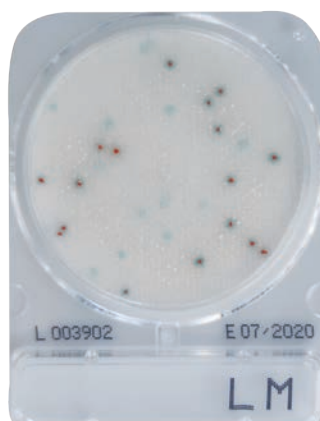
Blue / Blue green colonies



Listeria monocytogenes

MicroVal

CompactDry LM



Incubation Temperature

$37 \pm 1^\circ\text{C}$

Incubation Time

24 ± 2 - 48 ± 3 hours

1 *L.monocytogenes*

Red colonies with blue surrounds



2 Other *Listeria spp.*

Red colonies



Blue / Green colonies



Detection

Sample preparation

half - Fraser broth

Dilution and suspension



Enrichment culture 30°C 25 ± 1 hours



Incubation

Enumeration

Sample preparation

Buffered peptone water

Dilution and suspension



Incubation

Listeria species

CompactDry LS



Incubation Temperature

35 or $37 \pm 1^\circ\text{C}$

Incubation Time

24 ± 2 - 48 ± 3 hours

Interpretation

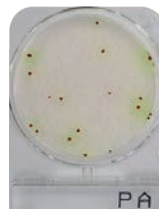
Light blue / Blue colonies



Pseudomonas aeruginosa

MicroVal

CompactDry PA



Incubation Temperature

$36 \pm 1^\circ\text{C}$

Incubation Time

48 ± 3 hours

Interpretation

Red colonies surrounded by a greenish-yellow halo



Interpretation Membrane Filter Method

Light green / Green blue colonies



Membrane Filter Method

Enterococcus species

AOAC / MicroVal / NordVal

CompactDry ETC



Incubation Temperature

$37 \pm 1^\circ\text{C}$

Incubation Time

22 ± 2 hours

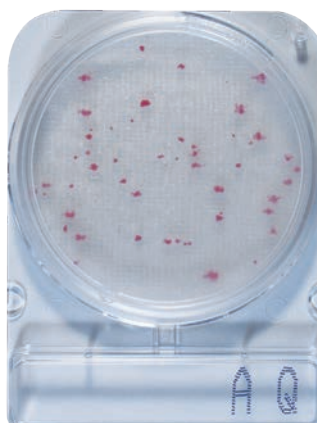
Interpretation

Blue/Blue green colonies



Water Heterotroph bacteria

CompactDry AQ



Incubation Temperature

44 ± 4 hours @ $36 \pm 2^\circ\text{C}$

68 ± 4 hours @ $22 \pm 2^\circ\text{C}$

ISO6222:1999

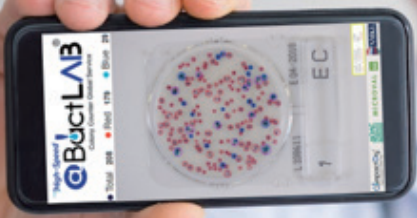
Water quality-Enumeration of culturable micro-organisms

Interpretation

All colonies



Colony Counter Global Service
Hi-Speed@BactLAB™



Free Application for CompactDry™
High-Speed
@BactLAB™
Colony Counter Global Service

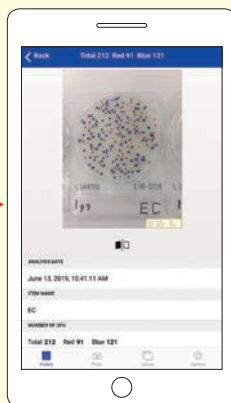
3min



Quality Control Reports



Auto count 3sec



For PC
Online Service
Windows 11 or later
(Edge, Firefox, Chrome)
Mac OS 13.2 or later
Mac with Apple M1 chip or later
(Safari, Firefox, Chrome)

GET IT ON
Google Play
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Download on the
App Store
iOS 16.3 or later

available at
amazon appstore
Android 13.0 or later
Fire OS 8.3.1.2 or later

CompactDry™
App Targeted Products

- CompactDry™ TC
(Total Viable Count)
- CompactDry™ TCR
(Total Viable Count, Rapid type)
- CompactDry™ EC
(E. coli / Coliform)
- CompactDry™ ECO
(E. coli)
- CompactDry™ CF
(Coliform)
- CompactDry™ YM
(Yeast / Mold)
- CompactDry™ YMR
(Yeast / Mold)

CompactDry Product Line							
Available for	Name of Product	Storage	Shelf Life	Available for	Name of Product	Storage	Shelf Life
Total Viable Count	CompactDry TC	Up to 30 °C	24 months after manufacturing	<i>Salmonella</i>	CompactDry SL	Up to 30 °C	18 months after manufacturing
Total Viable Count (Rapid type)	CompactDry TCR		18 months after manufacturing	<i>Enterobacteriaceae</i>	CompactDry ETB		16 months after manufacturing
<i>Escherichia coli</i> and Coliform	CompactDry EC		24 months after manufacturing	<i>Listeria species</i>	CompactDry LS		18 months after manufacturing
Coliform	CompactDry CF			<i>Listeria monocytogenes</i>	CompactDry LM		24 months after manufacturing
Coliform (Rapid type)	CompactDry CFR		18 months after manufacturing	<i>Enterococcus species</i>	CompactDry ETC		18 months after manufacturing
Coliform (in products with lactic acid bacteria)	CompactDry CF-L		24 months after manufacturing	<i>Escherichia coli</i>	CompactDry ECO		24 months after manufacturing
Yeast and Mold	CompactDry YM		18 months after manufacturing	<i>Pseudomonas aeruginosa</i>	CompactDry PA		19 months after manufacturing
Yeast and Mold (Rapid type)	CompactDry YMR		24 months after manufacturing	Water Heterotroph bacteria	CompactDry AQ		24 months after manufacturing
<i>Staphylococcus aureus</i>	CompactDry X-SA		21 months after manufacturing	Sample collection	Easy Wiping kit (BPW) II		12 months after manufacturing
<i>Vibrio parahaemolyticus</i>	CompactDry VP		18 months after manufacturing		Easy Wiping kit (PBS) CC II		
<i>Bacillus cereus</i>	CompactDry BC		21 months after manufacturing				



Shimadzu Diagnostics Corporation

Certification: ISO9001 / ISO13485 / ISO14001
<https://corp.sdc.shimadzu.co.jp/english/products/global/index.html>
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