CompactDry™

Simple and Easy Dry Media for Microbial Count and Detection

FOOD SAFETY SCIENTIFIC AUSTRALIA PTY LTD

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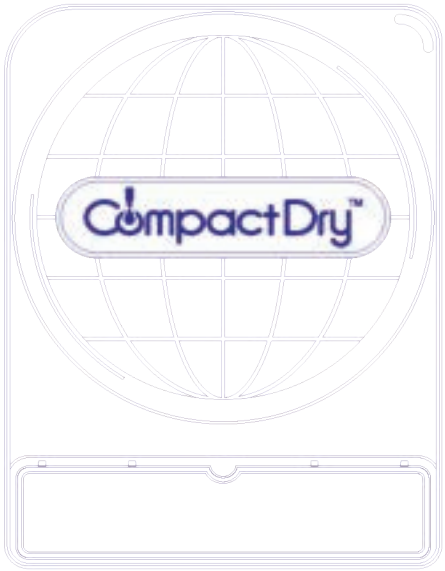
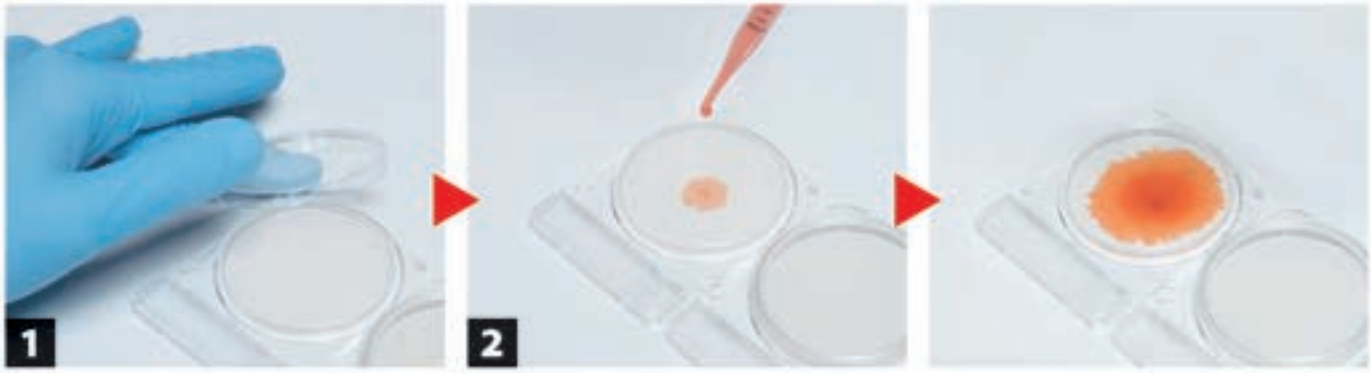
FSSA INNOVATIVE FOOD SAFETY SOLUTIONS



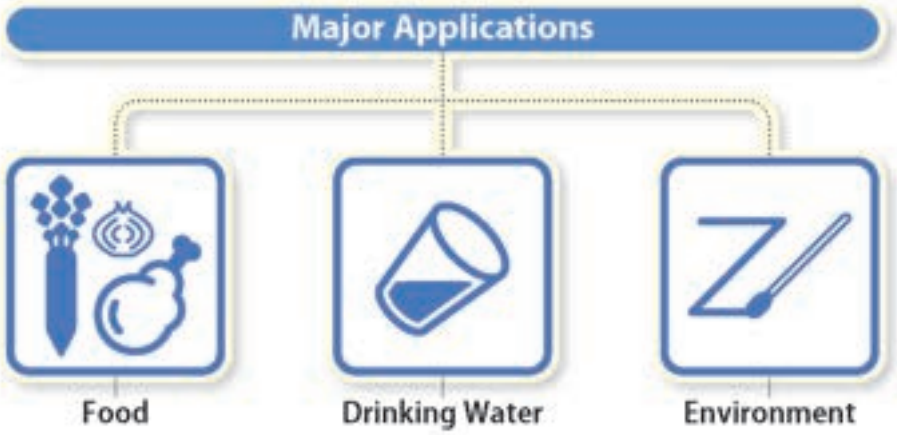
- Total Viable Count
- *Escherichia coli* and Coliform
- Coliform
- Yeast and Mold
- *Staphylococcus aureus*
- *Vibrio parahaemolyticus*
- *Bacillus cereus*
- *Listeria* species
- *Pseudomonas aeruginosa*
- *Enterobacteriaceae*
- *Enterococcus* species
- *Salmonella* species
- Water Heterotroph bacteria

Why CompactDry™ ?

How to Use



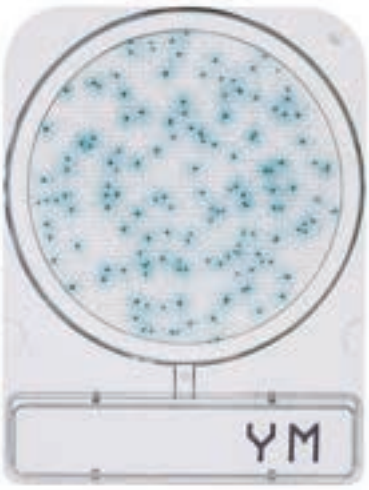
Major Applications



Yeast and Mold

CompactDry "Nissui" YM / CompactDry "Nissui" YMR

AOAC / MicroVal / NordVal



Rapid type: Faster results in 48 hours

Incubation Temperature

25±2°C

Incubation Time

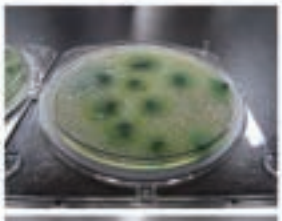
YM: 3-7 days
YMR: 48-72 hours

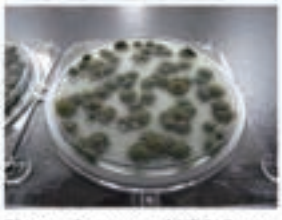
Interpretation

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

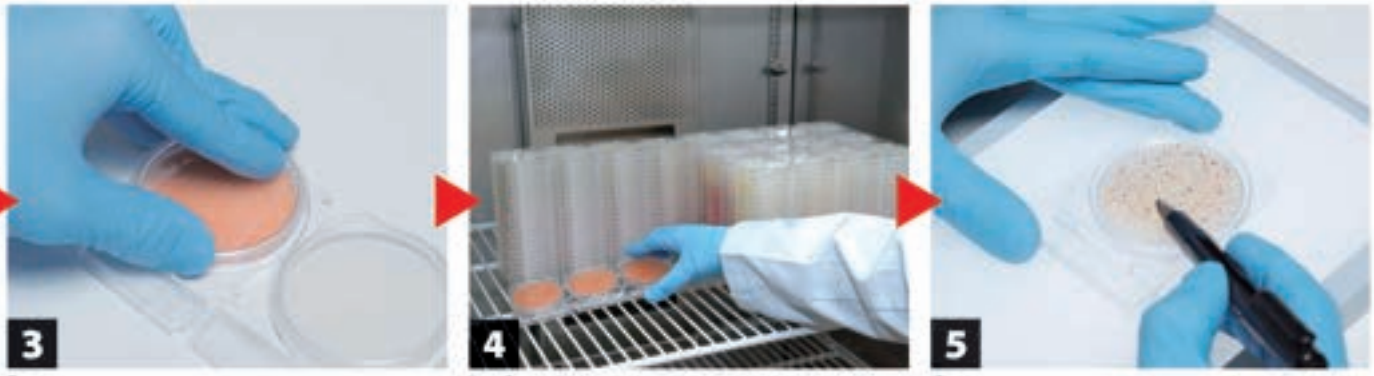
● / ○

3D Growth of Molds





Photos Courtesy of NPO Center for Fungal Consultation Japan



Compact

- Unlimited Stackable

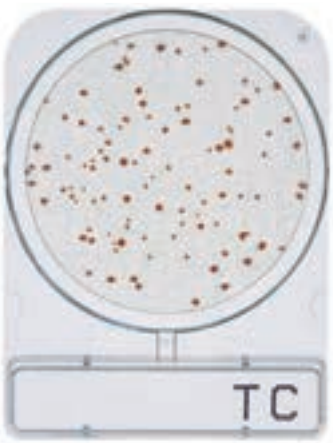
Dry

Reliable Quality **Made in Japan**

Total Viable Count

CompactDry "Nissui" TC

AOAC / MicroVal / NordVal

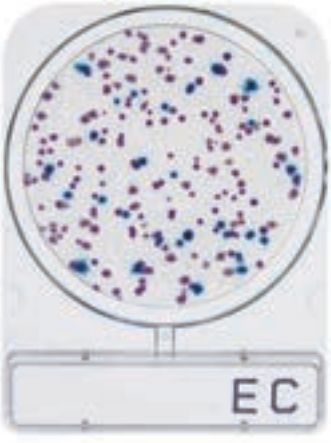


Incubation Temperature
35±2°C
Incubation Time
48±3 hours
Interpretation
All colonies
● / ○

Escherichia coli and Coliform

CompactDry "Nissui" EC

AOAC / MicroVal / NordVal

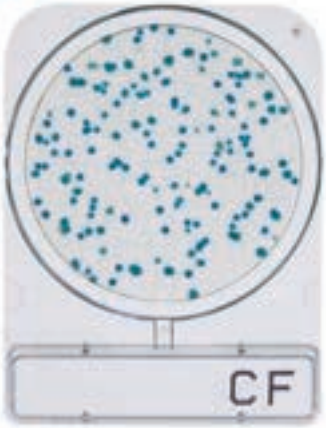


Incubation Temperature
35±2°C
Incubation Time
24±2 hours
Interpretation
E. coli : Blue / Blue purple colonies **Coliform** : Total number of both red and blue colonies
● / ●

Coliform

AOAC / MicroVal / NordVal

CompactDry "Nissui" CF



Incubation Temperature
35±2°C
Incubation Time
24±2 hours
Interpretation
Blue / Blue green colonies

Vibrio parahaemolyticus

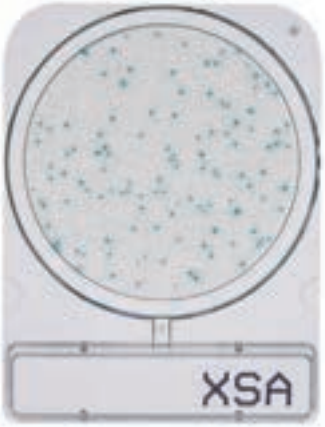
CompactDry "Nissui" VP

Incubation Temperature
35±2°C
Incubation Time
18-20 hours
Interpretation
Blue / Blue green colonies

Staphylococcus aureus

AOAC / MicroVal / NordVal

CompactDry "Nissui" X-SA



Incubation Temperature
35±2°C
Incubation Time
24±2 hours
Interpretation
Light blue / Blue colonies

Bacillus cereus

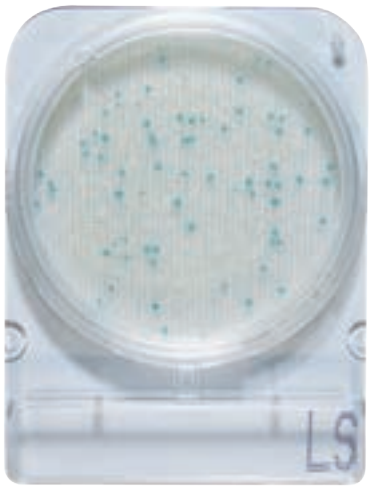
MicroVal / NordVal

CompactDry "Nissui" X-BC

Incubation Temperature
35±2°C
Incubation Time
24±2 hours
Interpretation
Green / Blue colonies

Listeria species

CompactDry "Nissui" LS



Incubation Temperature
35 / 37±2°C
Incubation Time
24±2-48±3 hours
Interpretation
Light blue / Blue colonies

Qualitative

Pre-enrichment
half fraser
30°C
24±2 hours

Pre-enrichment
fraser
35-37°C
48±2 hours

Incubation

Quantitative

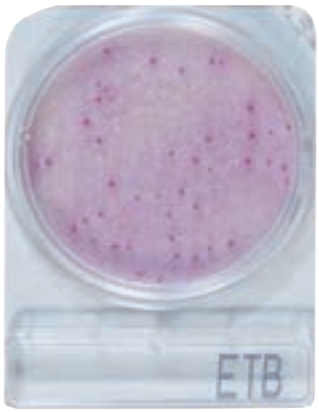
Resuscitation Step
Buffered Peptone Water
20°C
1 hour

Incubation

Enterobacteriaceae

MicroVal / NordVal

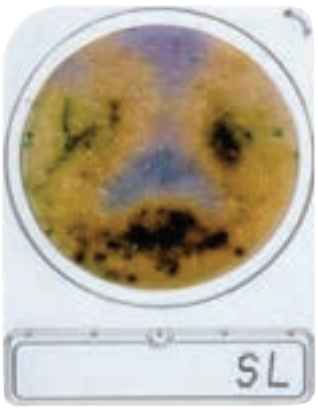
CompactDry "Nissui" ETB



Incubation Temperature
35±2°C
Incubation Time
24±2 hours
Interpretation
Red / Red-Purple

Salmonella species

CompactDry "Nissui" SL



pre-enrichment w/BPW
35-37°C @20-24 hours
Incubation Time
41-43°C @20-24 hours
Interpretation
Yellow : motility of *Salmonella* **Black** : hydrogen sulfide producing *Salmonella* **Green** : chromogenic substrate with specific enzyme on *Salmonella*

Enterococcus species

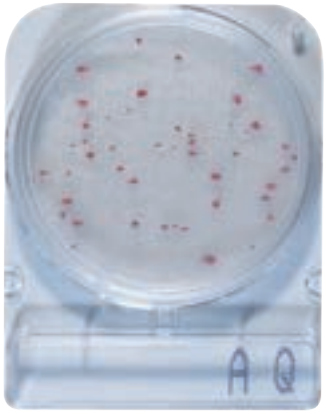
MicroVal / NordVal

CompactDry "Nissui" ETC

Incubation Temperature
36±1°C
Incubation Time
24±2 hours
Interpretation
Light blue / Blue colonies

Water Heterotroph bacteria

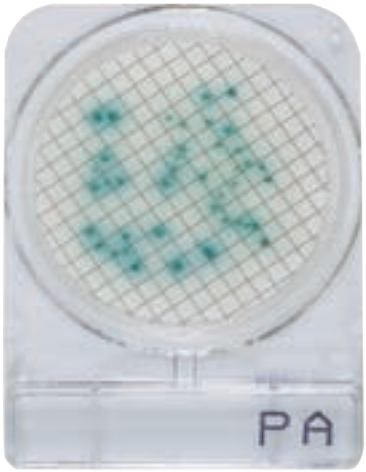
CompactDry "Nissui" AQ



Incubation Temperature
44±4 hours @36±2°C 68±4 hours @22±2°C ISO6222:1999 Water quality-Enumeration of culturable micro-organisms
Interpretation
Red

Pseudomonas aeruginosa

CompactDry "Nissui" PA



Membrane Filter Method

Incubation Temperature
35-37°C
Incubation Time
24-48 hours
Interpretation
Red colonies surrounded by a greenish-yellow halo

Interpretation Membrane Filter Method
Light green / Green blue colonies

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