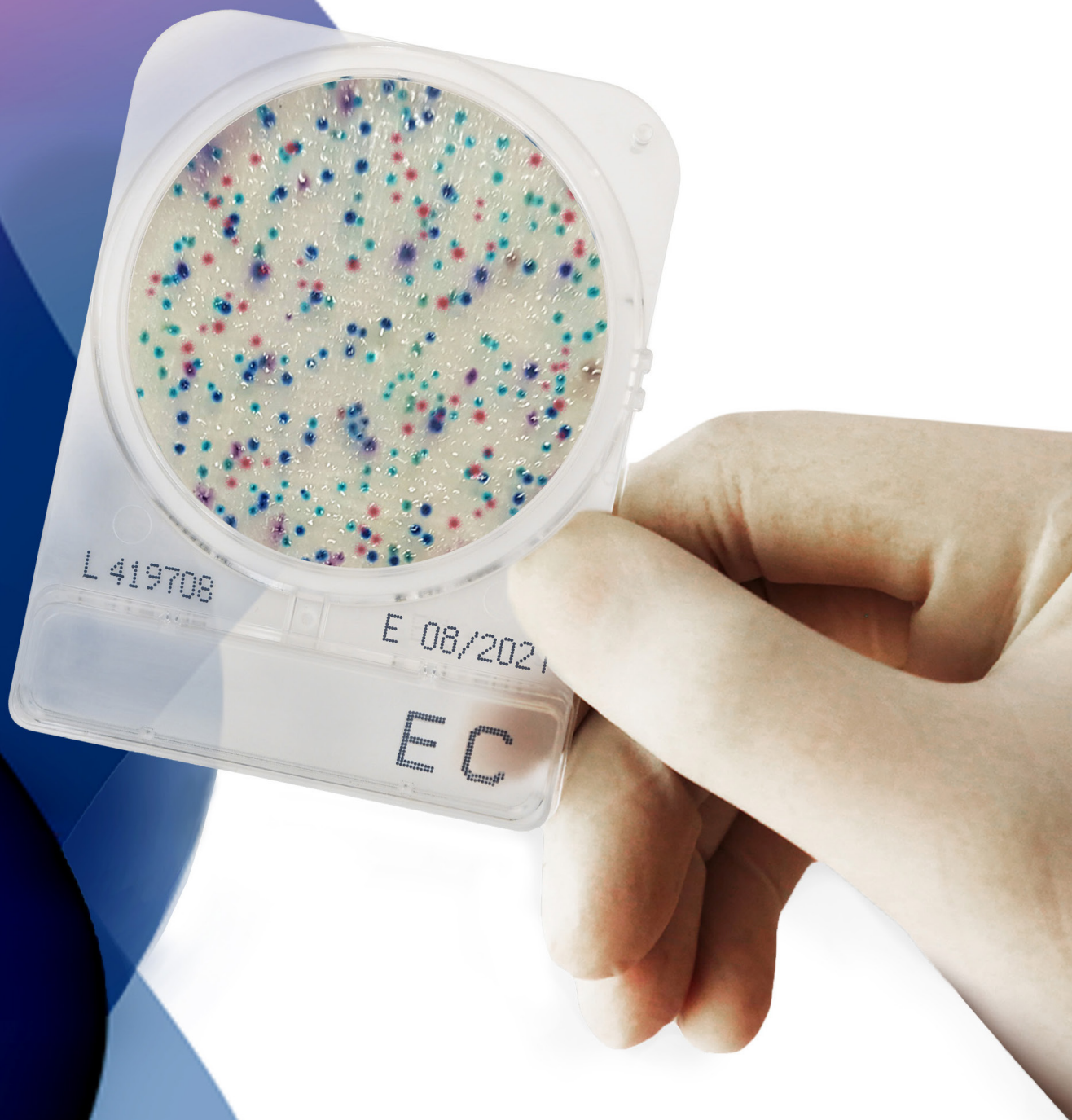


# CompactDry™

BROCHURE





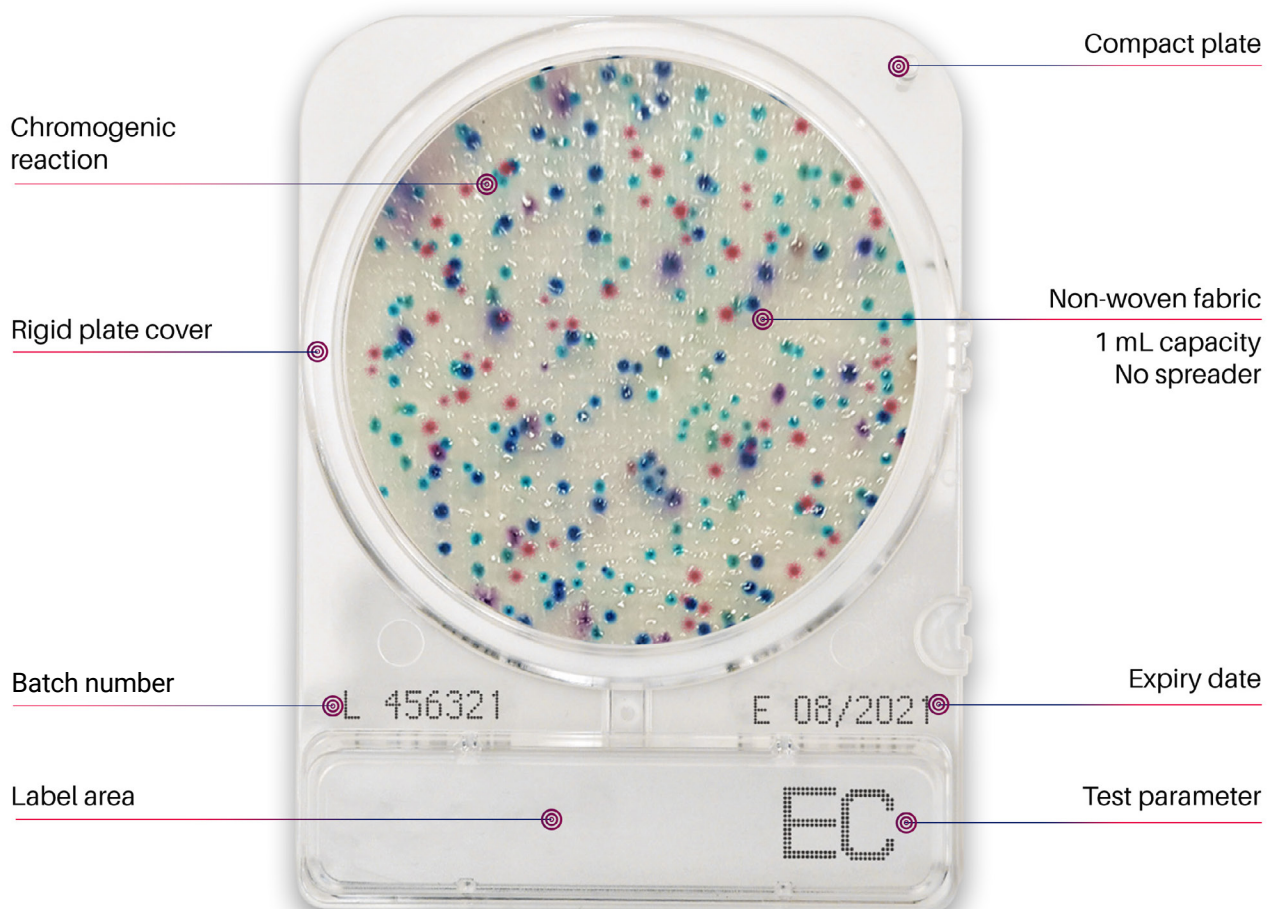
# CompactDry : an easy test method to detect and identify microbial contamination

CompactDry is a ready-to-use method to minimise microbial testing time and improve quality control processes. Dehydrated, selective and chromogenic media for total count and/or microbial species identification.

CompactDry can be used to test raw materials and processed food products - food, drinks, ready meals, cosmetic and environmental. CompactDry is also used to test surfaces (both food and environmental) using sample swabbing.

CompactDry has a sealed lid to minimise cross-contamination/spillage and a rigid structure to ease handling and stacking.

## Features



# CompactDry Protocol



- 1** Remove the cap.
- 2** Dispense 1 mL of sample in the middle of the CompactDry plate.
- 3** The sample diffuses passively and evenly across the dehydrated media sheet, rehydrating the dry medium into a gel within seconds.
- 4** Replace the cap, label and turn the plate over.
- 5** Incubate for the appropriate time and at the required temperature.
- 6** Following incubation, count the number of coloured microbial colonies.



Product	Target	Incubation temperature	Incubation time	Approval
<b>CompactDry AQ</b>	Heterotrophic bacteria in water	36 ± 2 °C (Filter/SMEWW method) 22 ± 2 °C (ISO6222:1999)	44 ± 4 hours 68 ± 4 hours	/
<b>CompactDry BC</b>	<i>Bacillus cereus</i>	30 ± 1 °C	24 ± 2 hours	AOAC/MicroVal
<b>CompactDry CF</b>	Coliform	37 ± 1 °C for all other matrices 35 ± 2 °C for raw meat	24 ± 2 hours	AOAC/NordVal/ MicroVal
<b>CompactDry CF-L</b>	Coliform (for dairy products)	37 ± 1 °C	24 ± 2 hours	/
<b>CompactDry EC</b>	<i>E. coli</i> and coliform	37 ± 1 °C for all other matrices 35 ± 1 °C for raw meat	24 ± 2 hours	AOAC/NordVal/ MicroVal
<b>CompactDry ECO</b>	<i>E. coli</i>	35 °C ± 1 °C or 37 °C ± 1 °C	24 ± 2 hours	/
<b>CompactDry ETB</b>	Enterobacteriaceae	37 ± 1 °C	24 ± 2 hours	AOAC/NordVal/ MicroVal
<b>CompactDry ETC</b>	Enterococci	NordVal: 36 ± 1 °C AOAC/MicroVal: 37 ± 1 °C	22 ± 2 hours	AOAC/NordVal/ MicroVal
<b>CompactDry LM</b>	<i>Listeria monocytogenes</i>	Detection: 37 ± 1 °C Enumeration: 37 ± 1 °C	Detection: 24 to 48h Enumeration: 24 to 48h	MicroVal (detection/ enumeration)
<b>CompactDry LS</b>	Listeria species	35 - 37 ± 1 °C	24 – 48 hours	/
<b>CompactDry PA</b>	<i>Pseudomonas aeruginosa</i>	36 ± 1 °C	48 ± 3 hours	MicroVal
<b>CompactDry SL</b>	Salmonella	Enrichment: 35 – 37 °C Detection: 41 – 43 °C	Enrichment: 20 - 24 hours Detection: 20 - 24 hours	MicroVal
<b>CompactDry TC</b>	Total viable count	35 ± 1 °C for raw meat 30 ± 1 °C for all other matrices	48 ± 3 hours	AOAC/NordVal/ MicroVal
<b>CompactDry TCR</b>	Total viable count	35 ± 1 °C 32 ± 1 °C (dairy products)	24 ± 2 hours 48 ± 3 hours	AOAC
<b>CompactDry VP</b>	<i>Vibrio parahaemolyticus</i>	35 ± 1 °C	19 ± 1 hours	/
<b>CompactDry X-SA</b>	<i>Staphylococcus aureus</i>	37 ± 1 °C	24 ± 2 hours	AOAC/NordVal/ MicroVal
<b>CompactDry YM/ YMR</b>	Yeast and mould	25 ± 1 °C	YMR: 72 ± 3 hours YM: 3 – 7 days	AOAC/NordVal/ MicroVal


# Products

## CompactDry AQ for water heterotrophic bacteria



CompactDry AQ plates contains a chromogenic nutrient poor medium for determining the colony count of heterotrophic organisms in treated drinking water and ultra-pure water. Colonies are almost all red. Yeast tends to grow as white-pink colonies. Mould grows in a typical 3-dimensional “cotton wool” form.

PACKAGES	PRODUCT NUMBER
40 plates	54061-0AQ-0040
240 plates	54061-0AQ-0240
1400 plates	54061-0AQ-1400



Incubation Temperature
44 ± 4 hours @ 36 ± 2°C 68 ± 4 hours @ 22 ± 2°C ISO 6222: 1999 Water quality-Enumeration of culturable micro-organisms
Interpretation
Red


## CompactDry BC for the detection of *Bacillus cereus*



CompactDry BC plates combine the properties of chromogenic dry media and gel contact plates. It is used for the quantitative detection of *Bacillus cereus* in food samples. *Bacillus cereus* forms light blue to blue colonies.

PACKAGES	PRODUCT NUMBER
40 plates	54068-0BC-0040
240 plates	54068-0BC-0240
1400 plates	54068-0BC-1400

Incubation Temperature
30 ± 1 °C
Incubation Time
24 ± 2 hours
Interpretation
Green / Blue colonies
 / 

**MicroVal**





## CompactDry CF for coliform



CompactDry CF is an easy tool for the detection of coliform bacteria. The media contains the chromogenic enzyme substrate X-Gal and coliform colonies are coloured blue/blue green. The growth of other bacterial types (genus) are mostly inhibited, but in certain instances may form colourless colonies.

PACKAGES	PRODUCT NUMBER
40 plates	54053-0CF-0040
240 plates	54053-0CF-0240
1400 plates	54053-0CF-1400

Incubation Temperature
37 ± 1 °C for all other matrices 35 ± 2 °C for raw meat
Incubation Time
24 ± 2 hours
Interpretation
Blue / Blue green colonies
 / 



**MicroVal**



**NordVal**

# Products

## CompactDry CF-L for coliforms detection in dairy

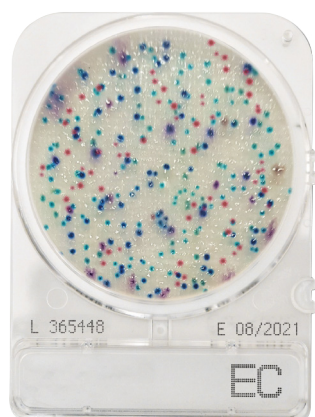


CompactDry CF-L is a ready to use dehydrated media plate used to detect coliform bacteria in dairy products such as cheese, milk, yogurt, and any products containing lactic acid bacteria. It is specifically formulated to counter the negative effects of lactic acid bacteria on chromogenic substrates. Coliforms colonies are blue to blue/green.



Incubation Temperature
37 °C ± 1 °C
Incubation Time
24 ± 2 hours
Interpretation
Blue / Blue green colonies
 / 

PACKAGES	PRODUCT NUMBER
40 plates	54065-CFL-0040
240 plates	54065-CFL-0240

## CompactDry EC (*E. coli* and coliforms)



CompactDry EC is a medium to detect *E. coli* and coliform bacteria. The medium contains two different chromogenic enzyme substrates: Magenta-Gal and X-Gluc. *E. coli* forms blue colonies. Red and blue colonies counted together provides the total coliform number.

Incubation Temperature
37 ± 1 °C for all other matrices 35 ± 1 °C for raw meat
Incubation Time
24 ± 2 hours
Interpretation
<i>E. coli</i> : Blue / Blue purple colonies
<b>Coliform</b> : Total number of both red and blue colonies
 / 

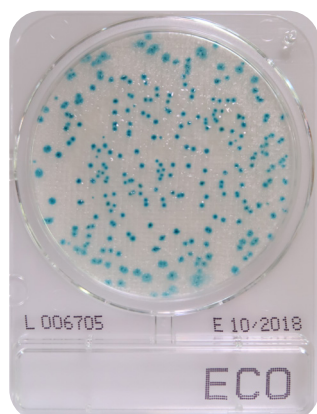


**MicroVal**  
**NordVal**

PACKAGES	PRODUCT NUMBER
40 plates	54052-0EC-0040
240 plates	54052-0EC-0240
1400 plates	54052-0EC-1400

# Products

## CompactDry ECO for *E. coli*



CompactDry ECO is a ready-to-use, chromogenic plate for enumeration and detection of *Escherichia coli* in food and drinks. Detection of *Escherichia coli* occurs through the combination of selective agents and chromogenic substrates. *Escherichia coli* form blue to blue purple colonies.

PACKAGES	PRODUCT NUMBER
40 plates	54064-ECO-0040
240 plates	54064-ECO-0240
1400 plates	54064-ECO-1400

Incubation Temperature
35 °C ± 1 °C or 37 °C ± 1 °C
Incubation Time
24 ± 2 hours
Interpretation
Blue / Blue purple colonies

## CompactDry ETB for Enterobacteriaceae



CompactDry ETB is a very easy to use system to detect Enterobacteriaceae. The substrate allows the differentiation of the Enterobacteriaceae from other groups. Enterobacteriaceae are red/purple coloured. Red/purple coloured colonies plus other coloured colonies together form the total gram negative bacteria count.

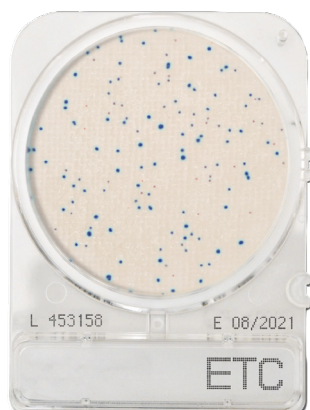
PACKAGES	PRODUCT NUMBER
40 plates	54055-ETB-0040
240 plates	54055-ETB-0240
1400 plates	54055-ETB-1400

Incubation Temperature
37 ± 1 °C
Incubation Time
24 ± 2 hours
Interpretation
Red / Red-Purple



**MicroVal  
NordVal**

## CompactDry ETC for easy detection of Enterococci in food and water



CompactDry ETC is based on the usage of X-glucoside (X-Gluc) and selective antibiotics. Enterococci beta-glucosidase targets X-Gluc and allows the specific detection of enterococci through the formation of blue to blue/green colonies.

PACKAGES	PRODUCT NUMBER
40 plates	54056-ETC-0040
240 plates	54056-ETC-0240
1400 plates	54056-ETC-1400

Incubation Temperature
NordVal: 36 ± 1 °C AOAC/MicroVal: 37 ± 1 °C
Incubation Time
22 ± 2 hours
Interpretation
Light blue / Blue colonies

**MicroVal  
NordVal**





# Products

## CompactDry LM for *Listeria monocytogenes*



CompactDry LM is a ready-to-use, chromogenic plate for enumeration and detection of *Listeria monocytogenes* in food and drinks. Detection of *Listeria monocytogenes* occurs through the combination of selective agents and chromogenic substrates. *Listeria monocytogenes* form red colonies with a blue halo.

Incubation Temperature
Detection: 37 +/- 1 °C Enumeration: 37 +/- 1 °C
Incubation Time
Detection : 24 to 48 +/- 2h Enumeration: 24 to 48 +/- 2 h
Interpretation
Red colonies with blue halo

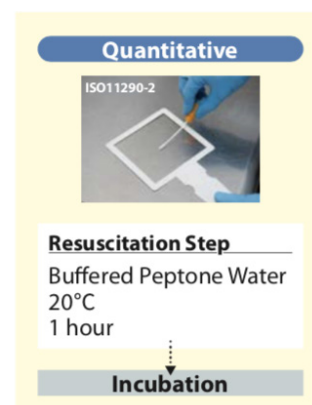
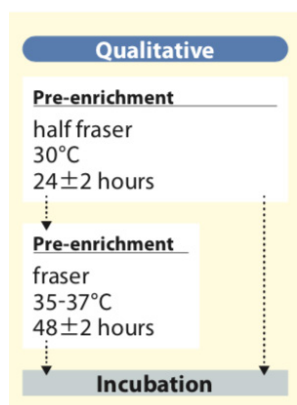
**MicroVal**

PACKAGES	PRODUCT NUMBER
40 plates	54067-OLM-0040
240 plates	54067-OLM-0240
1400 plates	54067-OLM-1400

## CompactDry LS for *Listeria* species



Incubation Temperature
35 - 37 ± 1 °C
Incubation Time
24 ± 2 hours plus a further 24 ± 2 hours
Interpretation
Light blue / Blue colonies

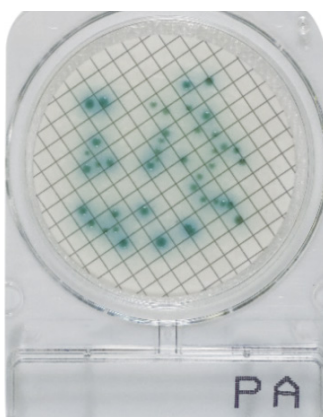
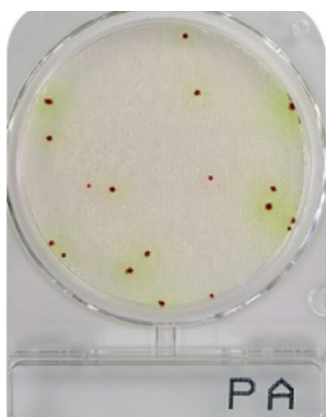


CompactDry LS is used for the qualitative and quantitative detection of *Listeria* in food and drinks. Evaluation of surfaces and working environments is achieved by using the combination of CompactDry LS and CompactDry Swabs. Detection of *Listeria* occurs through the combination of selective agents and chromogenic substrates. *Listeria* species form light blue/blue colonies.

PACKAGES	PRODUCT NUMBER
40 plates	54060-OLS-0040
240 plates	54060-OLS-0240
1400 plates	54060-OLS-1400

# Products

## CompactDry PA for *Pseudomonas aeruginosa*



### Incubation Temperature

36 +/- 1 °C

### Incubation Time

48 +/- 3 hours

### Interpretation

Red colonies surrounded by a greenish-yellow halo



**MicroVal**



### Interpretation Membrane Filter Method

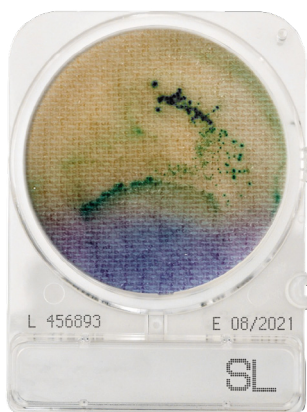
Light green / Green blue colonies



PACKAGES	PRODUCT NUMBER
40 plates	54062-0PA-0040
240 plates	54062-0PA-0240
1400 plates	54062-0PA-1400

CompactDry PA is used for quantitative detection of *Pseudomonas aeruginosa* in water samples. *P. aeruginosa* forms red colonies which are generally surrounded by a greenish-yellow halo.

## CompactDry SL for *Salmonella*



CompactDry SL detects salmonella using a 20 – 24 hour pre-enrichment step. The plates are based on the combination of different test principles:

1. Alkalinisation of the medium, by *Salmonella* lysine decarboxylase, causes the medium to change colour from blue-purple to yellow. The yellow colouration spreads over the plate due to *Salmonella* motility.
2. Greening of the colonies is caused by decomposition of chromogenic substrate by a specific *Salmonella* enzyme. Black colonies are generated by hydrogen sulphide producing *Salmonella*.

### 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:** decomposition of chromogenic substrate by a specific *Salmonella* enzyme



**MicroVal**

PACKAGES	PRODUCT NUMBER
40 plates	54058-0SL-0040
240 plates	54058-0SL-0240
1400 plates	54058-0SL-1400

# Products

## CompactDry TC (Total Count)



CompactDry TC is a medium containing nutrient standard agar and is used for total viable bacterial count. Bacterial colonies are coloured red due to the redox indicator tetrazolium salt.

PACKAGES	PRODUCT NUMBER
40 plates	54051-0TC-0040
240 plates	54051-0TC-0240
1400 plates	54051-0TC-1400

<b>Incubation Temperature</b>
35 ± 1 °C for raw meat 30 ± 1 °C for all other matrices
<b>Incubation Time</b>
48 ± 3 hours
<b>Interpretation</b>
All colonies
● / ○



**MicroVal**  
**NordVal**

## CompactDry TCR (Rapid Total Count)



CompactDry TCR is a rapid medium containing nutrient standard agar and is used for total viable bacterial count. Bacterial colonies are coloured red after 24 hours of incubation due to the redox indicator tetrazolium salt.

PACKAGES	PRODUCT NUMBER
40 plates	54069-TCR-0040
240 plates	54069-TCR-0240
1400 plates	54069-TCR-1400

<b>Incubation Temperature</b>
35 °C ± 1 °C (AOAC) 32 °C ± 1 °C (dairy products)
<b>Incubation Time</b>
24 ± 2 hours or 48 ± 3 hours
<b>Interpretation</b>
All colonies
● / ○



## CompactDry VP for *Vibrio parahaemolyticus*



CompactDry VP detects *Vibrio parahaemolyticus*, but also differentiates *Vibrio parahaemolyticus* from other *vibrio* species. The product contains a specific chromogenic substrate for *Vibrio parahaemolyticus* which develops blue/green or blue colonies, other *vibrio* species form white colonies.

PACKAGES	PRODUCT NUMBER
40 plates	06749-0VP-0040
240 plates	06749-0VP-0240

<b>Incubation Temperature</b>
35 ± 1 °C
<b>Incubation Time</b>
19 ± 1 hours
<b>Interpretation</b>
Blue / Blue green colonies
● / ●



# Products

## CompactDry X-SA for *Staphylococcus aureus*



CompactDry X-SA is a medium used for the detection of *Staphylococcus aureus* by selective growth and differentiation. *Staphylococcus aureus* forms light blue to blue colonies.

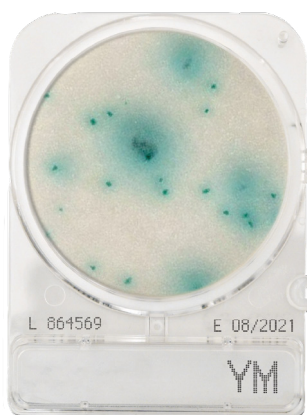
PACKAGES	PRODUCT NUMBER
40 plates	54057-XSA-0040
240 plates	54057-XSA-0240
1400 plates	54057-XSA-1400

<b>Incubation Temperature</b>
37 ± 1 °C
<b>Incubation Time</b>
24 ± 2 hours
<b>Interpretation</b>
Light blue / Blue colonies
● / ●



**MicroVal  
NordVal**

## CompactDry YM/YMR for yeast and mould



### Incubation Temperature

25 +/- 1 °C

### Incubation Time

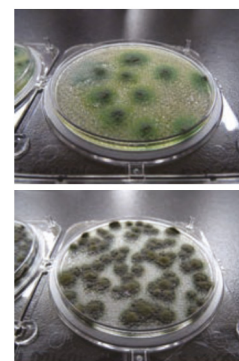
YMR: 72 ± 3 hours  
YM: 3 – 7 days

### Interpretation

**Yeast :** Blue or white  
**Mould:** Cottony colonies with mould colors



### 3D Growth of Molds



Photos Courtesy of NPO Center for Fungal Consultation Japan

PACKAGES	PRODUCT NUMBER
40 plates	54054-0YM-0040
240 plates	54054-0YM-0240
1400 plates	54054-0YM-1400

PACKAGES	PRODUCT NUMBER
40 plates	54063-YMR-0040
240 plates	54063-YMR-0240
1400 plates	54063-YMR-1400



**MicroVal  
NordVal**

CompactDry YM/YMR differentiates yeasts and mould through characteristic colour development and morphology. The medium contains the chromogenic enzyme substrate X-Phos which results in blue yeast colonies. Moulds form “cotton wool” colonies with a characteristic colour. Antibiotics inhibit the growth of bacteria. CompactDry YM/YMR facilitates very good 3-dimension growth of yeast and mould.



# Products

## CompactDry SWABS for surface testing

The ready-to-use CompactDry Swabs allow easy swabbing with the new design self-standing tube, pre-immersed swab in 1mL of buffer compatible with CompactDry plates. We provide a range of 4 different buffers to cover most applications.

### Neutralising Rinse Solution

Neutralising Rinse Solution is a universal neutralising solution suitable for testing most disinfected surfaces within the food, cosmetic and pharmaceutical industries.

### Phosphate Buffered Saline

Phosphate Buffered Saline is designed for environmental/surface sample collection for the food and beverage industry.

### Lethen Broth

Lethen Broth is used to sample surfaces treated with quaternary ammonium-based disinfectants (neutralizing agent), also recommended by the FDA for use in the microbiological testing of cosmetics.

### Buffer Peptone Water

Buffer Peptone Water is used for sampling previously cleaned surfaces specifically for the recovery of sub lethally damaged Salmonella species.

All of the swabs conform to national and international standards including ISO 18593. The volume of buffer in each swab allows full rehydration of the CompactDry plate.

BUFFER	PACKAGES	PRODUCT NUMBER
Neutralising Rinse Solution	500 units	450001-NRS-0500
Phosphate Buffered Saline	500 units	450002-PBS-0500
Lethen Broth	500 units	450003-LTE-0500
Buffer Peptone Water	500 units	450004-BPW-0500



PRODUCT NAME	TARGETS	PACKAGES	PRODUCT NUMBER
AQ	Heterotrophic bacteria in water	40 plates	54061-0AQ-0040
		240 plates	54061-0AQ-0240
		1400 plates	54061-0AQ-1400
BC	<i>Bacillus cereus</i>	40 plates	54068-0BC-0040
		240 plates	54068-0BC-0240
		1400 plates	54068-0BC-1400
CF	Coliform	40 plates	54053-0CF-0040
		240 plates	54053-0CF-0240
		1400 plates	54053-0CF-1400
CF-L	Coliform (dairy)	40 plates	54065-CFL-0040
		240 plates	54065-CFL-0240
EC	<i>E. coli</i> and coliform	40 plates	54052-0EC-0040
		240 plates	54052-0EC-0240
		1400 plates	54052-0EC-1400
ECO	<i>E. coli</i>	40 plates	54064-ECO-0040
		240 plates	54064-ECO-0240
		1400 plates	54064-ECO-1400
ETB	Enterobacteriaceae	40 plates	54055-ETB-0040
		240 plates	54055-ETB-0240
		1400 plates	54055-ETB-1400
ETC	Enterococci	40 plates	54056-ETC-0040
		240 plates	54056-ETC-0240
		1400 plates	54056-ETC-1400
LM	<i>Listeria monocytogenes</i>	40 plates	54067-OLM-0040
		240 plates	54067-OLM-0240
		1400 plates	54067-OLM-1400
LS	Listeria species	40 plates	54060-OLS-0040
		240 plates	54060-OLS-0240
		1400 plates	54060-OLS-1400
PA	<i>Pseudomonas aeruginosa</i>	40 plates	54062-0PA-0040
		240 plates	54062-0PA-0240
		1400 plates	54062-0PA-1400
SL	Salmonella	40 plates	54058-OSL-0040
		240 plates	54058-OSL-0240
		1400 plates	54058-OSL-1400
TC	Total count	40 plates	54051-0TC-0040
		240 plates	54051-0TC-0240
		1400 plates	54051-0TC-1400
TCR	Rapid Total Count	40 plates	54069-TCR-0040
		240 plates	54069-TCR-0240
		1400 plates	54069-TCR-1400
VP	<i>Vibrio parahaemolyticus</i>	40 plates	06749-0VP-0040
		240 plates	06749-0VP-0240

<b>X-SA</b>	<b><i>Staphylococcus aureus</i></b>	40 plates	54057-XSA-0040
		240 plates	54057-XSA-0240
		1400 plates	54057-XSA-1400
<b>YM</b>	<b>Yeast and mould</b>	40 plates	54054-0YM-0040
		240 plates	54054-0YM-0240
		1400 plates	54054-0YM-1400
<b>YMR</b>	<b>Rapid yeast and mould</b>	40 plates	54063-YMR-0040
		240 plates	54063-YMR-0240
		1400 plates	54063-YMR-1400



High-Speed  
**@BactLAB**<sup>®</sup>  
Colony Counter Global Service

**CompactDry**<sup>®</sup>  
App Targeted Products

CompactDry<sup>®</sup> TC (Total Viable Count )  
CompactDry<sup>®</sup> EC ( *E.coli* / Coliforms )  
CompactDry<sup>®</sup> ECO ( *E.coli* )

CompactDry<sup>®</sup> CF ( Coliforms )  
CompactDry<sup>®</sup> YM ( Yeast / Mold )  
CompactDry<sup>®</sup> YMR ( Yeast / Mold )

High-Speed  
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Colony Counter Global Service



BactLAB manual



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