



.... Compact Dry

Easy test method for counting micro-organisms

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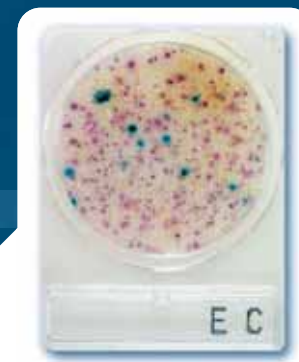
HyServe – Compact Dry

HyServe – Compact Dry

Compact Dry TC



Compact Dry EC



Compact Dry – Easy test method for counting micro-organisms

Compact Dry is a *ready-to-use* test method which helps to reduce the labour hours needed to perform microbial testing. Therefore, it allows maximizing the productivity by increasing efficiency. The plates can be used to test raw materials as well as finished products like food, beverage, meat, cosmetic or others. The Compact Dry plates can also be used like contact plates for difficult area using the Compact Dry swab.

Compact Dry is an *easy-to-read* results test method. Place 1 ml of sample onto the plate. The liquid samples will self diffuse homogenous over the whole plate. Incubate the plates at the temperature specified in the package inserts. The grown colonies are pigmented with different colors, developed by chromogenic substrates and redox indicators. The type of bacteria can be identified by the colors. For further investigation bacteria can be easily picked up.

Compact Dry is also an *easy-to-store* test method. The plates can be kept at room temperature for up to two years and can be used over an incubation temperature range from 20 – 42° C.

It's unlimited stackable in the incubator. The product is very safe and direct contamination to the medium is not possible due to a covering lid. It's also possible to take the plate to the sampling point.

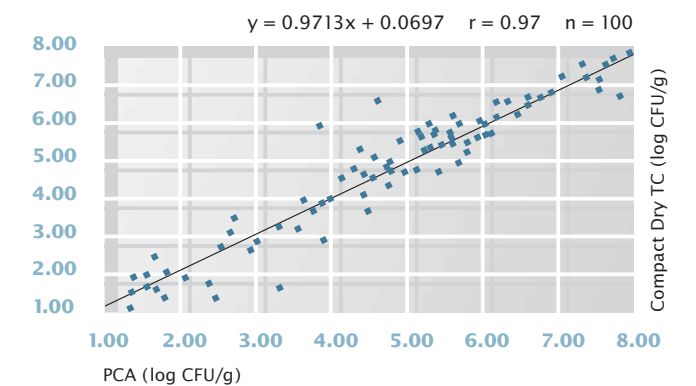
Product	Incubation time	Incubation temperature
Compact Dry TC for total count	48 hours	35 ± 2° C* (20 – 42° C)
Compact Dry EC for <i>E. coli</i> and coliform	24 hours	35 ± 2° C
Compact Dry CF for coliform	18 – 24 hours	35 ± 2° C 40 – 42° C for faecal coliforms
Compact Dry YM for yeast and mold	3 – 7 days	25 – 30° C
Compact Dry ETB for enterobacteriaceae	24 – 48 hours	35 – 37° C
Compact Dry SA for <i>Staphylococcus aureus</i>	48 hours	35 – 37° C
Compact Dry VP for <i>Vibrio parahaemolyticus</i>	18 – 24 hours	35 – 37° C

* Please use the incubation temperature/time according to the legal specification of each country's food analysis regulations.

Compact Dry TC (Total Count) Bacteria form *red* colonies

Compact Dry TC is a medium for total viable bacterial count, which contains nutrient standard agar. The colonies grown on Compact Dry TC are red due to redox indicator tetrazolium salt.

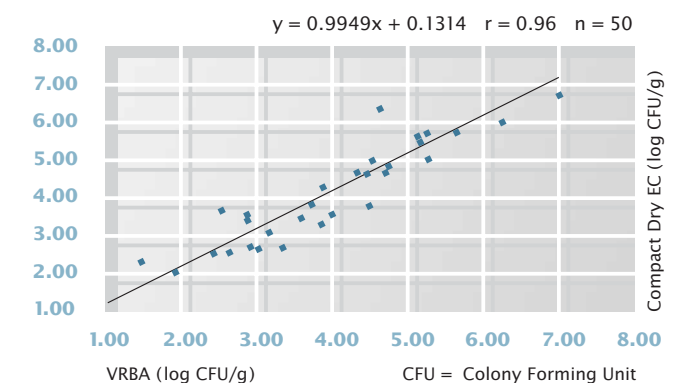
Regression line data from Compact Dry TC method plotted versus conventional PCA method (standard plate count agar). A good correlation per 100 food samples for the population of mesophilic aerobic microorganism is shown. Compact Dry TC is AOAC approved.



Compact Dry EC (*E. coli* and coliforms) Bacteria form *blue and red* colonies

Compact Dry EC is a medium for *E. coli* and coliforms. The medium contains two kinds of chromogenic enzyme substrates: Magenta-Gal and X-Gluc. *E. coli* will form blue colonies. Red and blue colonies together are the total coliform group count.

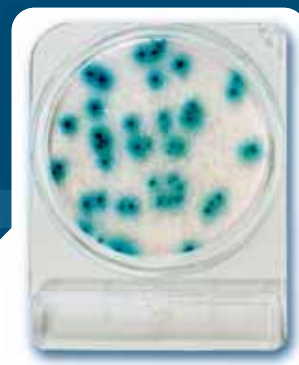
Regression line data from Compact Dry EC method plotted versus conventional VRBA method (violet red bile agar) A good correlation per 50 food samples for the population of coliforms is shown. Compact Dry EC is AOAC approved.



Compact Dry CF



Compact Dry YM



Compact Dry ETB



Compact Dry SL



Compact Dry menu

Compact Dry CF for coliform

For the detection of coliforms Compact Dry CF is an easy tool. Coliforms grow with blue/blue green colonies as the recipe contains the chromogenic enzyme substrate X-GAL. The growth of bacteria other than coliforms is mainly inhibited and in case of growth they do not form any colored colonies. Compact Dry CF is AOAC approved.

Compact Dry YM for yeast and mold

With Compact Dry YM yeasts and mold can be differentiated by color development. The medium contains the chromogenic enzyme substrate X-Phos which turns blue with many yeasts. Mold forms fluffy colonies with characteristic colors. Antibiotics inhibit the growth of bacteria. The Compact Dry YM allows a very good 3-dimension growth of yeast and mold. Compact Dry YM is AOAC approved.

Compact Dry ETB for Enterobacteriaceae

Using Compact Dry ETB it's very easy to detect Enterobacteriaceae. It's substrates allow to differentiate the Enterobacteriaceae from other groups easily.

Compact Dry SA for *Staphylococcus aureus*

Compact Dry SA is a medium to determine *Staphylococcus aureus* by means of selective growth of Staphylococcus and differentiation by egg yolk reaction. This product consists of Compact Dry SA plate which is based on improved mannitol salt agar. *Staphylococcus aureus* generates yellow pigments which result in light yellow colonies. The lipid-protein complex (lecithin) in the egg yolk reaction is split by lipase which changes the peripheral medium around the colonies to turbid white.

Compact Dry SL for Salmonella

Compact Dry SL detects Salmonella using 20–24 hours pre-enrichment cultures. The plates are based on the combination of three different test principles: Alkalization of the medium by Salmonella's lysine decarboxylase ability (medium color will change blue-purple to yellow); Greening colony caused by decomposition of chromogenic substrate with specific enzyme of Salmonella (black colonies are generated by hydrogen sulfide producing Salmonella); Motility of Salmonella. Compact Dry SL allows a much more rapid screening for Salmonella.

Compact Dry VP for *Vibrio parahaemolyticus*

Using Compact Dry VP you can not only easily detect *Vibrio parahaemolyticus*, but also differentiate *Vibrio parahaemolyticus* from other vibrios as the product contains a specific chromogenic substrate for *Vibrio parahaemolyticus*. *Vibrio parahaemolyticus* develops blue/green or blue colonies. Whereas other vibrios develop white colonies.

Features and benefits

Compact Dry combines the features and benefits of the old traditional plate media with the modern features of dehydrated film media.

This unique combination will shorten your test time and increase your lab efficiency, thus reducing your costs.

Steps	Criteria	Homemade plates	Prepared plates	Other dehydrated films	Compact Dry
Preparation and storage	Ready to use		■	■	■
	Long shelf life RT				■
	Small size (for storage and disposal)			■	■
Inoculation (simple and fast)	Liquid samples	■	■	■	■
	Surfaces			■	■
Incubation	Easy handling (rigid plastic)	■	■		■
	Small size			■	■
	100% sterile (safe cover)	■	■		■
	Stackable	■	■		■
	No direct contact with media				■
Reading and interpretation	Easy counting (chromogenic)		■	■	■
	Easy picking and cloning	■	■		■
Validation	Standardization of the production		■	■	■
	Validation Approvals		■	■	■

References

Nissui Pharmaceutical granted PTM status for Compact Dry TC. Inside Laboratory Management; AOAC, July 2004: 19–22

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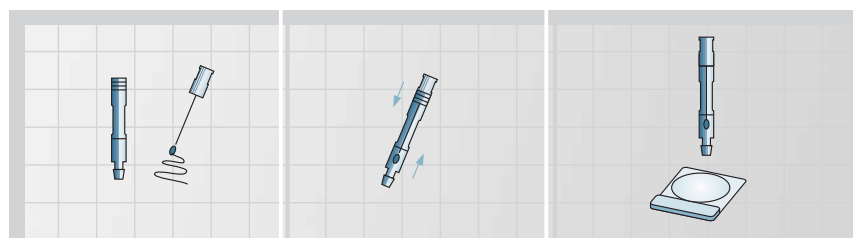
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Kodaka, H. and Ishikawa, M. (1995) Evaluation of new medium with chromogenic substrates for members of the family Enterobacteriaceae in urine sample. J. Clin. Microbiol. 33: 199–201.

Curiale, M.S. and Sons, T., et. al (1991) Dry rehydratable film for enumeration of total coliforms and escherichia coli in foods: Collaborative study. J. Assoc. Off. Anal. Chem. 74: 635–648.



Compact Dry Swab for surfaces, meat and dry areas

Compact Dry Swab is a very easy tool for sampling at difficult areas, swabbing food e.g. meat or check dry surface.



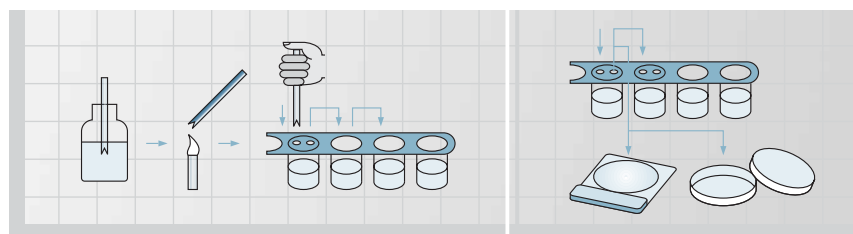
- Screw out the Swab – Check your dedicated area.
- Close the Swab and invert several times in order to release the microorganisms into the liquid.
- For opening hold upside down by holding the Swab on the orange area. To release the sample, press smoothly at the middle. 1 ml will drop onto the plate.
- Contains 1 ml peptone water.
- Can be stored everywhere at room temperature up to 2 years.

Dilution rack for easy dilution seria and Opener

The Dilution Rack contains 4 wells of 9 ml sterile Buffered Sodium Chloride Peptone Solution each. By pipetting 1 ml from one well to the next, it allows easy and fast 10-fold dilution series of the samples.



- Stick the Opener through the aluminium seal and pierce two holes. When needed disinfect the Opener with alcohol or flame.
- Drop 1 ml of the specimen with clean pipette through the holes.
- Put another pipette through the second hole and homogenize the specimen.
- Take out 1 ml of the homogenized specimen and place it onto the Compact Dry plate.
- To dilute further, transfer 1 ml of the specimen.
- Repeat the same step as described above for the graded dilution.
- Each vial contains 9 ml Phosphor buffered Saline.
- Can be stored everywhere at room temperature up to 3 years.



Product overview

	ID-Number	Packaging	Application
Compact Dry TC	1 000 166	40 plates	Total Count
	1 000 167	240 plates	
	1 002 877	880 plates	
Compact Dry EC	1 000 168	40 plates	<i>E.coli</i> and coliforms
	1 000 169	240 plates	
	1 002 878	880 plates	
Compact Dry CF	1 000 867	40 plates	Coliforms
	1 000 868	240 plates	
	1 002 879	880 plates	
Compact Dry YM	1 000 869	40 plates	Yeast and mold
	1 000 870	240 plates	
	1 002 880	880 plates	
Compact Dry ETB	1 002 941	40 plates	Enterobacteriaceae
	1 002 942	240 plates	
	1 002 943	880 plates	
Compact Dry SA	1 000 899	40 plates	<i>Staphylococcus aureus</i>
	1 001 013	240 plates	
	1 002 881	880 plates	
Compact Dry SL	1 002 973	40 plates	Salmonella
	1 002 938	240 plates	
	1 002 940	880 plates	
Compact Dry VP	1 000 900	40 plates	<i>Vibrio parahaemolyticus</i>
	1 001 014	240 plates	
	1 002 882	880 plates	
Compact Dry Swab	1 002 953	40 tubs/box	for surface
	1 002 952	240 tubs/box	
Dilution Rack for Compact Dry	1 000 888	(4 wells x 3) x 10 = 120 wells/box	for dilutions
Opener for Dilution rack	1 000 887	1 piece	for sterile opening
Egg Yolk Suspension	1 002 755	40 plates	for Compact Dry SA