

**Ready to use plates with dehydrated sterile media!**  
**They absorb and mix 1 ml of sample.**

The **DryPlates**® are ready to use plates, sterile, with one year of expiration, manufactured with dehydrated media, which hydrates precisely by inoculation of the sample. The cold gelling gum (unlike Agar-agar, which requires boiling to become a gel) is achieved with a **MICROKIT** development called "**Hidragar**" which avoids the process of boiling-melting-cooling-to-45°C and the 2 hours of hands-on work involved in preparing typical classic media. The immediate absorption of the sample and the homogeneous distribution into the media are achieved with the nutrient pad, a hard fine-mesh fibre that holds together the powdered culture media, the sample and the microorganisms.



The aspect of **DryPlates**® after inoculation

## DRYPLATES® ADVANTAGES OVER CLASSIC MEDIA AND OTHER BRANDS OF " DRIED PETRI DISHES ":



- ★ 1 ml of sample is added directly and totally auto-distributed and absorbed by the medium in only a few seconds per plate (mass inoculation agars without melting).
- ★ The sample is distributed in medium with complete homogeneity and without need of applicators. Easy and fast operation: from sample to the incubator in only a few seconds.
- ★ Save weighing, dissolving, autoclaving and cooling as with classic dehydrated media.
- ★ Save 2-4 hours of "melting - solidification - cooling - dispensing" of ready to use tubes, flasks or bottles.
- ★ Multiply by 3 to 10 the lower limit of detection / counting of the classical ready to use plates, since these are intended only for surface inoculation of 0.1-0.3 ml.
- ★ Extremely long shelf life for a ready to use media (because it is dehydrated): 12 months from manufacturing date.
- ★ Very obvious enumerations, because chromogenic media and the translucent nutrient pad of very fine fibre allows the colonies to develop without the strange forms of other kits and with the same appearance as traditional media with agar-agar. Even for invasive moulds, colonies are very evident.
- ★ 100% sterile, because it is irradiated by gamma rays.
- ★ Saves storage space due to its small size, it is also possible to store at a wide range of temperatures (5-30 ° C) , so they can be stored anywhere; refrigerators space saving, space saving incubators: fits many more samples in each incubator than 90 mm plates; reduces the amount of waste material (environmental-friendly).
- ★ Designed for 55 mm Petri dish: High acceptance by the more orthodox microbiologists, who do not trust strange formats or formats too small for proper counting.
- ★ Versatility of uses: 1 ml of sample mass or after pre-hydration with 1 ml of sterile water; use of membrane filtration for larger volumes , use with swabs surfaces , use for air control...
- ★ Recoveries higher or much higher than indicated in ISO 11133-2 on quality control of culture media (and much higher than those obtained in other similar formats).



- ★ Formulas 100 % in line with the relevant ISO / Pharmacopoeia.
- ★ Only by using DryPlates® can you detect samples that the pipette fails and has taken less than 1 ml because that creates "dry islands." Repeat sample paying more attention.
- ★ Lower prices than other dried plates.

## RANGE

**DryPlates® TC: DPP001-** (box 60u) y **DPP001+** (box 1200u). Total plate count in food, water and cosmetics, cream PCA medium (ISO 4833) chromogenic: red colonies that contrast with the medium and the sample particles. Thanks to the medium used, the results can be read as soon as after 18 hours!

**DryPlates® YM: DPP002-** (box 60u) y **DPP002+** (box 1200u). Total plate count of fungi (yeasts and moulds) in food, water and cosmetics, medium pink DGRBC Agar (ISO 21527), colonies of their natural colors.

**DryPlates® EC: DPP006-** (box 60 u) y **DPP006+** (box 1200 u). Detection and enumeration of *E.coli* and other coliforms, Mug Plus (BOE 31/3/2009), blue *E.coli* colonies, pink colonies of rest of coliforms.

**DryPlates® PS: DPP014-** (box 60 u) y **DPP014+** (box 1200 u) Detection and enumeration of *Pseudomonas aeruginosa* with chromogenic Cetrimide Agar, colonies of *P. aeruginosa* red wine, often surrounded by fluorescent pigments

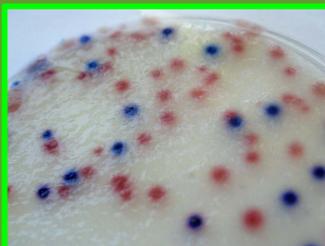
**DryPlates® XBC: DPP011-** (box 60 u) y **DPP011+** (box 1200 u) Detection and enumeration of *Bacillus cereus*, with Mossel Chromogenic Agar, dark blue colonies, medium changes from salmon to pink color.



**DryPlates® TC**  
Red colonies of bacteria.



**DryPlates® YM** Yeasts and Moulds colonies.  
Left: *Rhodotorula mucilaginosa* and one mould. Right: 5 colonies *Saccharomyces cerevisiae*, 3 lobulated colonies of other yeast and several moulds.



**DryPlates® EC**



**DryPlates® PS**



**DryPlates® XBC**

Validated in base of UNE-EN-ISO 16140:2003 Norm

Many other DryPlates® media in design phase, for *Staphylococcus aureus*, *Salmonella spp*, *Listeria monocytogenes*, Enterobacterias, *Burkholderia cepacia*, *Candida albicans*, ...

## HOW TO USE



1. Add 1 ml of sample (or appropriate dilution) in the center of the plate.
2. Remove a Nutrient Pad from the bag with tweezers.
3. Place the disc on 1 ml sample, which instantly soaks up. For MF: Replace the sample with 1ml of water and after place on the filtered membrane.
4. Close the plate and incubate unturned in an incubator with one glass of water, at typical conditions of time/temperature for the microorganisms concerned.
5. Count the colonies obtained: red bacteria in DryPlates®-TC, cottony moulds and full yeasts in DryPlates®-YM, green *E.coli* and yellow rest of coliforms in DryPlates®-EC, early red wine *Pseudomonas aeruginosa* in DryPlates®-PS, blue indigo *B.cereus* in DryPlates®-XBC...

Spanish design and manufacture. PATENT operating rights granted for two companies:

**Laboratorios MICROKIT**, SL (Madrid) and **BC Aplicaciones Analíticas**, SA (Barcelona) after more than eight years of trials and improvements in synergy to offer the best and most versatile product of its kind.

**DryPlates®** is a Trade Mark of **Laboratorios MICROKIT, S.L.**