Solid sample preparation.

Microbiological or chemical analyses require the solid sample to be blended with a diluent into a mixed homogenous slurry.

The sample and the diluting liquid are put in a sterile bag filter. The filter bag is placed in a bagmixer blender.

The sample is then crushed and mixed by the alternating movement of the paddles. The resulting suspension can now be pipeted , free of particles which are retained by the filter.

Bagmixer® gently isolates all microbial flora contained in and on the surface of a solid sample. The homogenous blend in the sterile bag is representative of the over all sample contamination.

Gravimat® gravimetric dilutor automatically dilutes a solid sample with the appropriate weight of diluent. All the dilution and distribution methods can be selected directly from the screen of the device.

The **Spiral® DS Plus** plater is a laboratory automat designed to plate agar dishes automatically to standardize plating and to make bacterial colony counting easier in accordance with the NF V 08-100 standard.

- 100% automatic method: disinfecting, rinsing, intake and plating.
- Quick reading (1 second with an automatic colony counter)

All dilutions required for plating are made on a single petri dish. The sample is deposited by a dosing micropump of precision, dosing accurately on the surface of a petri dish in rotation, according to a logarithmically decreasing Archimedes spiral, from the center of the dish to its periphery. According to the adjustments, the plating equals 3 or 4 dilutons from the manual method. The volume is calibrated and known in every point of the dish. After incubation, colonies appear on the spiral layout of the deposited sample. The reading is done by reporting the number of colonies counted in the chosen area to volume deposited in the same area.

You can plate Petri dishes of 90 and 150 mn.
Plated volume is 20, 50 or 100 µl.
The detection limits in UFC/ml are from 200 10 4.10*6
The plating takes 8 seconds to perform.

An automatic colony counter for significantly improved work quality

Scan$^{®}$ 1200 is suitable for any type of sample, and agar. It operates the automatic correction of any defects in the agar and the automatic separation of the confluent colonies. The pre-settings are customizable based on the type of agar. The brightness, contrast and sensitivity are automatically managed by the software.

Once detected, CFU are analysed and ranked according to their color. Each class of colony is defined by a color and a user chosen name, interactively.

Thereafter, during the automatic counting, any detected CFU whose average color approaches the base color of a class is classified in this class. In addition to the number and concentration of total CFU sample, the results of a counting show the number and concentration of CFU per class. The names given by the user for the classes serve as reference in the results display.

Antibiograms / inhibition zones

Measures the diameter of up to 6 zones on a 90mm Petri dish. Analysis and results are automatically saved.
Direct R.I.S (Resistant Intermediate Susceptible) results are given.
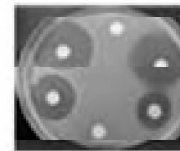
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