ABSTRACT

Microbiological analysis system

The microbiological analysis system comprises a support (6) adapted to retain microorganisms in the neighborhood of a planar surface (24), said support (6) belonging to a predetermined type with which is associated a specific arrangement criterion, and an analysis machine comprising a magnetron, a microwave cavity (100) linked to said magnetron provided to operate in resonant mode, a receptacle (30) for receiving said support (6), an obstacle (137) for tuning the resonant mode of the cavity (100) entering partially into said cavity (100), said obstacle (137) occupying a predetermined position depending on said predetermined type, means for recognizing said specific arrangement criterion, and a control unit connected to said magnetron and to said recognizing means and adapted to verify for said support (6) whether the specific arrangement criterion is met and to refuse to launch an analysis cycle otherwise.

(Figure 19)