



Report for Laboratory Testing of Air Sterilization Device UT-225

The laboratory test for the air sterilization device UT- 225 has taken place at the central labs of EUROGENETICA (7 Andrianoupoleos, Thessaloniki, Greece), in order to determine the efficiency of the TECHLUMEN UT-225 in actual laboratory conditions.

For this purpose, two (2) UT-225 devices were placed in a 100m² space that is used for the realization of usual laboratory activities of molecular biology. The laboratory space used is of 'Class D' (space with probable microbial load<10cfu/m³). During the laboratory tests, all personnel were present in their usual working places.

In order to collect the air samples, Petri dishes were used, and five (5) measurements were taken in timed intervals of 1-2-3-6-12 hours of operations of the UT-225. The Petri dishes were incubated at 30°C for 48 hours and at 25°C for another 72 hours. At the end of the process, the presence of microorganisms was measured in each dish (cfu/dish) and the percentage reduction of microbial load within the space was calculated at each timed interval.

Conclusion:

The results, shown in Matrix 1, indicate that the decrease of microbial load in the air in the tested space was higher than 93% from the first hour of operation of the TECHLUMEN UT-225.



euroGenetica

• molecular biology • genetics • biotechnology

ΕΥΡΩΓΕΝΕΤΙΚΗ Α.Ε.

ΠΡΟΤΥΠΟ ΚΕΝΤΡΟ ΕΡΕΥΝΩΝ & ΕΦΑΡΜΟΓΩΝ ΜΟΡΙΑΚΗΣ ΒΙΟΛΟΓΙΑΣ

ΚΕΝΤΡΙΚΟ: ΑΔΡΙΑΝΟΥΠΟΛΕΩΣ 7, ΚΑΛΑΜΑΡΙΑ

Τ .Κ.: 55 133, ΤΗΛ: 2310 474 414, ΦΑΞ: 2310 474 415, info@eurogenetica.gr

ΥΠΟΚΑΤΑΣΤΗΜΑ: ΜΙΧΑΛΑΚΟΠΟΥΛΟΥ 125 & ΒΕΡΒΑΙΝΩΝ 14 23 Τ.Κ.11527

ΑΘΗΝΑ. ΤΗΛ: 2107474904-FAX: 2107474908- email: infoathens@eurogenetica.gr

Matrix 1:

Time interval of sampling after the use of UT-225	% reduction of the microbial load in the air
1	93.20
2	95.10
3	97.80
6	98.70
12	100

Dr Anastasios Xeftiris, PhD
Laboratory Director
EUROGENETICA MSA

ISO 9001

BUREAU VERITAS
Certification

