



Public Health
England

Public Health England
Microbiology Services
Porton Down
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Biosafety Certificate No. 42/13 C ver. 2

ESCO Airstream Class II (AC2-3S8) Biohazard Safety Cabinet Tests to BS EN 12469:2000, Biotechnology- Performance criteria for microbiological safety cabinets

Report No. 42/13 C ver. 2

Report Prepared For: ESCO
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Test Summary

The Biosafety Unit of Public Health England has undertaken extensive tests on the ESCO Airstream Class II (AC2-3E8) biohazard safety cabinet which was fitted with glass side panels. The ESCO Airstream Class II (AC2-3S8) biohazard safety cabinet is identical, but fitted with stainless steel side panels. We consider that this cabinet will match the performance of that previously tested with glass side panels. The cabinet was found to meet the performance required by BS EN 12469:2000 for all the tests below.

- (A) Air Velocity measurements
- (B) Operator protection/containment tests using KI
- (C) Operator protection tests using bacterial spores
- (D) Product protection tests using bacterial spores
- (E) Cross contamination tests using bacterial spores
- (F) Air visualisation tests
- (G) Filter integrity tests
- (H) Maintenance of temperature by the working cabinet
- (I) Acceptable noise and light levels during operation of the cabinet
- (J) Acceptable design of filter mountings and plenum

Testing Performed By

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