



Biosafety Certificate No. 986-05



**Esco Streamline Class II
(SC2-4A2) Biohazard Safety Cabinet**

Tests to BS EN 12469:2000, Biotechnology – Performance criteria
for microbiological safety cabinets

Customer Ref.	C-10045
Tests carried out for	Mr Alex Atmadi of ESCO
Report Number	986-05
Certificate Issued	15 th September 2011

The Biosafety Unit of the Health Protection Agency Centre for Emergency Preparedness and Response, has undertaken extensive tests on the Esco Airstream Class II (SC2-4A1) biohazard safety cabinet which has a power rating of 230V/50Hz. The Esco Airstream Class II (SC2-4A2) biohazard safety cabinet is identical, but is rated at 115V/60Hz. We consider that this cabinet will match the performance of that previously tested with the 230V/50Hz rating. The cabinet was found to meet the performance required by BS EN 12469:2000 for all of 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  Mr. Simon Parks Senior Research Scientist	Authorised By  Mrs. Sara Speight Senior Research Scientist
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