

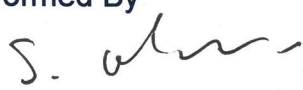
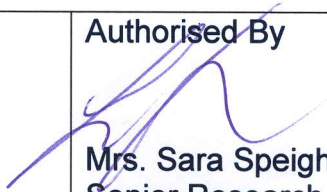


**Biosafety Certificate No. 54-07 G**  
**Esco Cytoculture™ Cytotoxic Class II Biohazard**  
**Safety Cabinet**  
**(Model CYT-4A2)**  
Tests to BS EN 12469:2000, Biotechnology – Performance criteria  
for microbiological safety cabinets

Customer Ref.	C-10301
Tests carried out for	Mr Alex Atmadi of ESCO
Report Number	54-07 G
Certificate Issued	15 <sup>th</sup> 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 (CYT-4A1) biohazard safety cabinet which has a power rating of 230V/50Hz. The Esco Airstream Class II (CTY-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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