

Product Information Sheet

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|------------------------|---|
| PRODUCT: | Single Donor Bronchial Epithelial - Normal |
| CATALOG NUMBER: | Passage 1/PC002-E-P1 |
| VOLUME: | 1ml |
| STORAGE: | -196°C |

Donor serology results: HIV 1& 2 negative, Hepatitis B negative, Hepatitis C negative, Syphilis negative, CMV negative, EBV igG positive

Because no test methods can guarantee with 100% certainty the absence of an infectious agent, human derived products should be handled as suggested in the U.S. Department of Health and Human Services Manual on BIOSAFETY IN MICROBIOLOGICAL AND BIOMEDICAL LABORATORIES, FOR POTENTIALLY INFECTIOUS HUMAN SERUM OR BLOOD SPECIMENS.

["For Research Use Only"] To comply with U.S. Food and Drug Administration (FDA) Regulations, these products are Not for use in Clinical, Diagnostic or Therapeutic Procedures. As your supplier, we advise our customers and monitor the use of these products to ensure that they are used for research purposes only. If you have any questions, do not hesitate to contact us. Thank you for your interest in Asterand plc.

DONOR INFORMATION

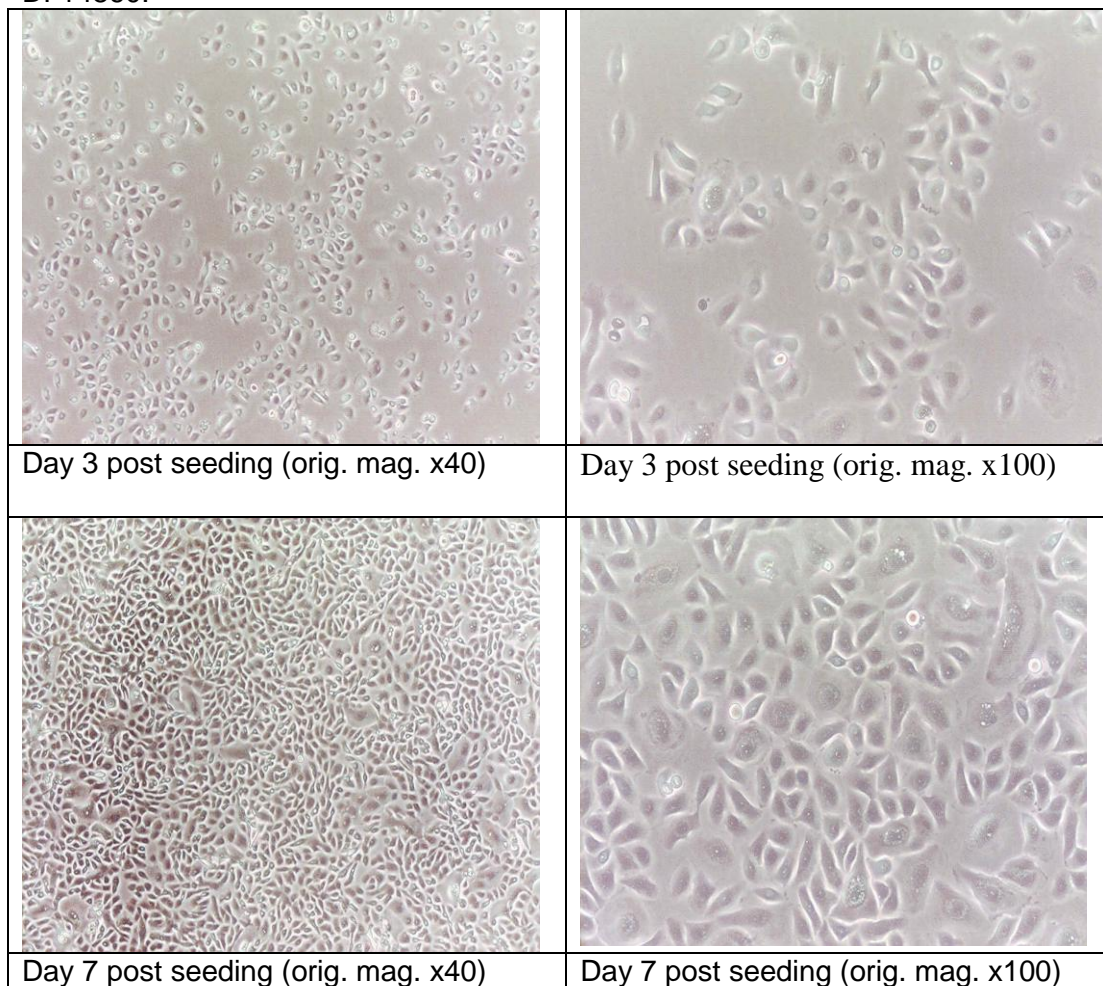
| | |
|---------------------|---|
| Donor (ID): | 14860 |
| Clinical diagnosis: | Cerebrovascular accident(CoD) |
| Drug history: | Midol, Protonix, Decadron, Dopamine, Mannitol, Narcan |
| Smoking history: | Unknown |
| Age: | 18 |
| Sex: | Female |
| Ethnicity: | Hispanic |
| BMI: | 26.2 kg.m ⁻² |
| Blood group: | O- |

QC TESTS

1. Cell viability

Cryopreserved, passage 1 cells were retrieved from liquid nitrogen storage and the cells seeded at approximately 10,000 cells/cm² into a non-collagen coated flask and cultured with Clonetics BEGM medium. Images of the cells were taken at various times after seeding.

DI 14860:



2. Transepithelial electrical resistance

Cryopreserved, passage 1 cells were retrieved from liquid nitrogen storage, the cells seeded at approx. 1×10^5 cells/cm² on to collagen-coated 12mm Transwell-Clear inserts, and cultured in defined medium initially as immersed cultures and then under air-liquid interface conditions. Transepithelial resistance was measured using an EVOM™ Epithelial Volttohmmeter and an STX2 'chopstick' electrode set.

Measurements were taken at various times after creation of the air-liquid interface (ALI). The resistance of blank (no cells) Transwells was subtracted from the values recorded for the cultures.

| DI | Day after creation of ALI | Resistance (Ohmn) by Culture Number | | |
|-------|---------------------------|-------------------------------------|------|------|
| | | 1 | 2 | 3 |
| 14860 | 6 | 386 | 1481 | 2292 |