

SHIPPING IMMUPHAGE™ (HUMAN ALVEOLAR-LIKE MACROPHAGES) AT ROOM TEMPERATURE

BACKGROUND:

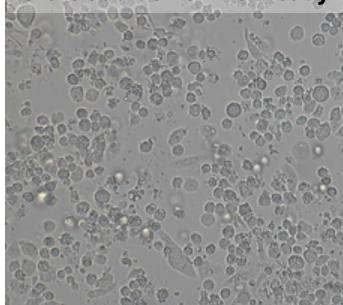
ImmuPHAGE™ is a human *in vitro* culture of alveolar macrophage-like cells that closely resembles the morphology and functionality of human alveolar macrophages. These cells provide a detailed understanding of immune responses in the small airways including clearance, inflammation and immune pathological macrophage responses. As immune cells, they are very fragile and sensitive to environmental changes, therefore challenging to transport without deterioration in their viability, morphology and functionality.

DESIGN:

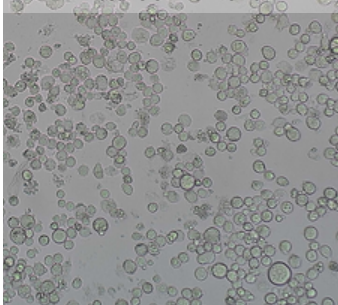
ImmuPHAGE™ cells were previously seeded on a 96-well plate at a density of 5.6×10^5 cells/well. The medium was removed from the wells and Atelerix WellReady™ was added as per manufacturer's instructions. Cells were left at ambient temperature 3 days and were intermittently moved around to replicate shipment. Cells were released from the gel and maintained in medium for another five days. Cells were imaged using light microscopy (20x magnification) prior to gelling, immediately after gel removal, and 5 days after gel removal.

RESULTS:

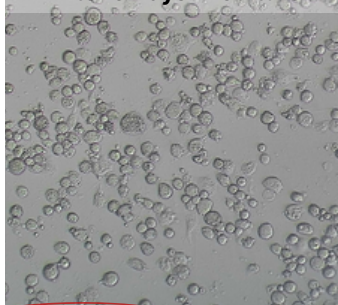
Before addition of WellReady™



After Gel Removal



After 5 Days in Culture



Left: Photomicrograph images of ImmuPHAGE™ cells seeded in 96-well plates preserved for 3 days at room temperature using WellReady™ with simulated shipping

Cells showed good viability and normal macrophage morphology defined as a large, spherical shape with abundant granular cytoplasm, and membrane extension-like pseudopodia for up to 5 days' culture after being released from WellReady™.



Try for free!



SAVE YOUR CELLS

www.atelerix.co.uk | Atelerix Ltd., The Biosphere, Newcastle upon Tyne, NE4 5BX, U.K.