

Small airway epithelial cell (SAEC) model for studying lung physiology & lung diseases

Physiologically accurate and functionally validated for respiratory clinical translational research





Figure 1: Expression of cell specific proteins in fully differentiated SAEC cultures. Immunocytochemistry images were obtained using a x20 objective unless otherwise specified.





Figure 2 : Puromycin was added to SAECs at specified concentrations for 72 hours. (A) Response to puromycin treatment measured by Transepithelial Electrical Resistance show a dose dependent decrease in epithelial integrity. (B) Toxicology assessment via cellular ATP activity, LDH released, and formazan formation show high cytotoxicity. Data shown from n=3 donors.

For more information:

If you would like further information, please contact our experts or visit our website:

info@newcellsbiotech.co.uk or visit: www.newcellsbiotech.co.uk/SAEC Scan the QR code to download the flyer



Lung SAEC Model					
SKU No.	Offering	Format	Readouts	Time-points	Inclusions
LSSAEC000H	Lung SAEC toxicity assay	24-wells	TEER , ATP, LDH and MTT with dose response curve	72 hours	1 donor, 3 compounds, 6 wells/compound with internal controls & QC included

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