Primary human bronchial and nasal epithelial culture in air liquid interface

Commonly used acronym: *ALI-HBEC, ALI-HNEC*

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Organisation

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SCOPE OF THE METHOD

The Method relates to	Human health
The Method is situated in	Basic Research
Type of method	In vitro - Ex vivo
Specify the type of cells/tissues/organs	Bronchi, nasal and sinusal tissues

DESCRIPTION

Method keywords

HBEC
HNEC
ALI
air-liquid interface
primary culture
respiratory epithelium

Scientific area keywords

lung
bronchus
sinus
nasal polyps
chronic rhinosinusitis
cystic fibrosis
allergic rhinitis
Chronic obstructive pulmonary disease
human airways

Method description

After digestion with pronase, human epithelial cells are cultured on flask and then on inserts to recapitulate a fully differentiated epithelium.

Method status

Published in peer reviewed journal

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

Colin et al. 2020. Ebiom. Lung IgA in CF..pdf
Gohy et al. 2015. ERJ. EMT and COPD.pdf
Gohy. 2014. Ajrccm. pIgR and COPD.pdf
Carlier 2020. Ebiom.pdf

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