

Primary human bronchial and nasal epithelial culture in air liquid interface

Commonly used acronym: ALI-HBEC, ALI-HNEC Created on: 19-10-2022 - Last modified on: 19-10-2022

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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. plgR and COPD.pdf Carlier 2020. Ebiom.pdf

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