

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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Department IREC, PNEU

Country Belgium

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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