

Materials List for:

# Absorption of Nasal and Bronchial Fluids: Precision Sampling of the Human Respiratory Mucosa and Laboratory Processing of Samples

Ryan S Thwaites<sup>1</sup>, Hannah C Jarvis<sup>1</sup>, Nehmat Singh<sup>1</sup>, Akhilesh Jha<sup>1</sup>, Andy Pritchard<sup>2</sup>, Hailing Fan<sup>1</sup>, Tanushree Tunstall<sup>1</sup>, Joan Nanan<sup>1</sup>, Simon Nadel<sup>2</sup>, Onn Min Kon<sup>2</sup>, Peter J Openshaw<sup>1</sup>, Trevor T Hansel<sup>1</sup>

<sup>1</sup>National Heart and Lung Institute, Faculty of Medicine, Imperial College London, St Mary's Hospital

<sup>2</sup>St Mary's Hospital, Imperial College Healthcare Trust

Correspondence to: Trevor T Hansel at [t.hansel@imperial.ac.uk](mailto:t.hansel@imperial.ac.uk)

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## Materials

| Name                                                             | Company           | Catalog Number | Comments                                                                                                                                                  |
|------------------------------------------------------------------|-------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nasosorption (adult, 7mm width)                                  | Hunt Developments | NSFL-FXI-11    | Different sizes are available for different patient groups/ages.                                                                                          |
| Bronchosorption                                                  | Hunt Developments | BSFL-FXI-11    | Minimum bronchoscope channel size 2mm; Max working length 815mm                                                                                           |
| Corning Costar Spin-X centrifuge tube filters (without membrane) | Sigma Aldrich     | CLS9301-1000EA |                                                                                                                                                           |
| Corning Costar Spin-X centrifuge tube filters (0.22um membrane)  | Sigma Aldrich     | CLS8160-24EA   | For sterilisation of samples with infection risk.                                                                                                         |
| Assay (elution) buffer                                           | Millipore         | AB-33k         | Not listed on the Millipore website but available through enquiry or general lab supply companies, such as Cedarlane. Contains 0.05% Tween-20 and 1% BSA. |
| NP-40 Cell lysis buffer                                          | Life Technologies | FNN0021        | Add bovine serum albumin to 1% (w/v). Can recover higher absolute mediator levels.                                                                        |
| Buffer RLT (RNA extraction)                                      | Qiagen            | 79216          | Allows recovery of RNA from nasosorption and bronchosorption samples.                                                                                     |
| Trifluoroacetic acid                                             | Sigma Aldrich     | 302031-100ML-M | For elution of samples to be used in HPLC applications                                                                                                    |
| 2.0ml micro-centrifuge tubes                                     | Costar            | 3213           | 2ml tubes are required for the Spin-X tube filters, traditional 1.5ml tubes will not fit these.                                                           |