**Table 1**: Analytical and assessment characteristics

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| **NO.** | **ASSESSMENT** | **EXPLAINATION** |
| 1. | Blood sample | **Blood collection**  - 10 ml of venous blood will be taken by certified phlebotomist.  - The whole blood will be collected into plain polyethylene tube until blood clot formation.  - The clots will be separated from the wall of tube using a wooden applicator stick.  - The serum will be separated by centrifugation at 1500 rpm for 15 minutes and stored at -20°C until measurement.  **Blood test**  **1) Substance P**  - The blood serum will be tested using Substance P EIA kit item no. 583751 (Cayman Chemical).  **2) Cytokines**  - The blood serum will be tested using Elisa kits to investigate:  a) TNF-α  b) IL-4  c) IL-5  d) IL-6  e) IL-10  c) IL-13 |
| 2. | Nasal mucus sample | **Nasal mucus collection**  - Nasal secretions will be collected by vacuum-aided suction, without chemical stimulation to avoid introducing foreign substances into the nasal fluids.  - Narrow rubber-tipped vacuum device will gentle manipulate inside the nasal passageways mildly stimulated nasal secretions.  - The range of secretion volumes will be collected varied between 0.5 ml and 10ml, depending on the patients.  - Secretions will be stored at -20°C until assayed.  **Nasal mucus test**  **1) Substance P**  - The nasal mucus will be tested using Substance P EIA kit item no. 583751 (Cayman Chemical).  **2) Cytokines**  - The nasal mucus will be tested using Elisa kits to investigate:  a) TNF-α  b) IL-4  c) IL-5  d) IL-6  e) IL-10  c) IL-13 |