**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-αb) IL-4c) IL-5d) IL-6e) IL-10c) 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-αb) IL-4c) IL-5d) IL-6 e) IL-10c) IL-13 |