PanoHealth® Saliva Collection Kit

For Antibody and Protein Analysis

Catalog #: PANO-SCP

Instructions for Use
Last Revised Nov. 5th, 2020

Caution:
Extraordinary useful information enclosed

RayBiotech
Empowering your proteomics

ISO 13485:2016

3607 Parkway Lane, Suite 100
Peachtree Corners, GA 30092
Tel: 1-888-494-8555 (Toll Free) or 770-729-2992, Fax:770-206-2393
Web: www.RayBiotech.com, Email: info@raybiotech.com

I. INTRODUCTION

Whole saliva is a complex biological fluid containing mucus, proteins, enzymes, minerals, electrolytes, and antibacterial compounds. It has numerous important bodily functions and its chemical composition can be predictive of a number of disease states. In addition, saliva is easy to obtain and a robust specimen for many types of analyses, including specific proteins, antibodies, DNA, or other biomarkers. The PanoHealth® Saliva Collection Kit contains a saliva collector pre-filled with a custom oral rinse. This kit is designed for reliable, non-invasive self-collection of a saliva sample that is optimized for downstream analysis of antibodies and proteins. This product is for research use only. Please read the instructions carefully before starting your experiment.

II. MATERIAL PROVIDED

Component	1-Sample Kit	50-Sample kit
Saliva Collector pre-filled with 2 mL oral rinse	1	50
Collection funnel	1	50

III. STORAGE

Upon receipt, the PanoHealth Saliva Collection Kit should be stored at room temperature. After collection, the sample should be stored at -20^{o}C if not analyzing immediately.

IV. PROTOCOL

1. Before collecting saliva, drink 4 ounces of cold water. Avoid brushing, flossing, or using any other oral hygiene products (e.g. using mouthwash, teeth whitening strips, etc.) for 45 minutes prior to saliva collection.
2. Wait 10 minutes.
3. Swish and gargle the entire oral rinse. Collection accuracy depends on proper sample collection. Swish the entire 2 mL oral rinse for 5 seconds, then gargle the 2 mL oral rinse for 5 seconds.
4. Affix the Collection Funnel and expectorate the oral rinse into the funneled Saliva Collector.
5. Remove the Collection Funnel and secure the cap onto the Saliva Collector.
6. Collected samples can be stored for -20^{o}C until analysis.

V. ANTIBODY ANALYSIS

Typical results of indirect ELISA analysis of human IgG antibody against the SARS-CoV-2 S1 RBD protein in human saliva collected with the PanoHealth Saliva Collection Kit (PANO-SCP). Saliva from a PCR-confirmed positive and negative sample was diluted 10x with dH_2O and tested using the ELISA kit cat #IEQ-CoVS1RBD-IgG.