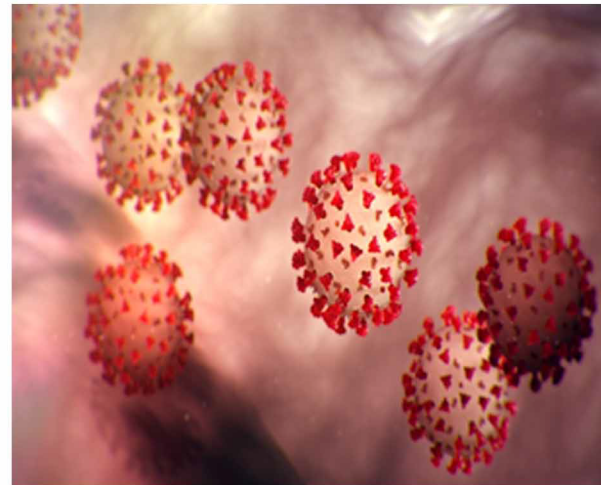


SAMPLE PREPARATION SOLUTION



SEDIPREP® COVID-19

SAMPLE PREPARATION FOR PRE-CONCENTRATION OF COVID-19 VIRAL LOAD PRIOR TO TEST ANALYSIS



The sample collection for the Covid-19 RT-PCR Test involves the swabbing of sites (upper respiratory tract), and agitating the swabs in a fluid to release the Covid-19 content, and transferring the fluid to a device for analysis.

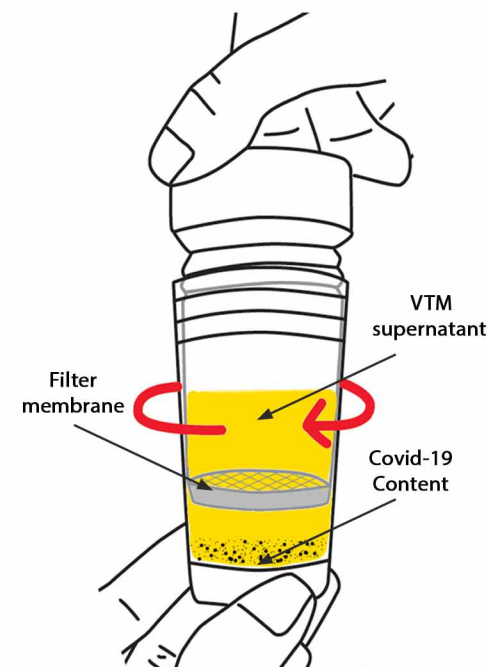
Poorly swab sampling will give rise to samples collected with insufficient Covid-19 content, or low viral load yield below the detection limit of the RT-PCR test used, resulting in the occurrence of false negative test result.

SEDIPREP® Covid-19 Sample Preparation Improving the Diagnostic Accuracy of Covid-19 Test Result

The SEDIPREP® Covid-19 Sample Preparation, is an innovative, easy to use device, for rapid SAMPLE PRE-CONCENTRATION prior to RNA extraction of the RT-PCR Test

- Concentrate Covid-19 viral load to 6x its initial concentration for analysis
- Improved detection sensitivity
- Reduction of false negative rate

SEDIPREP® SIZE EXCLUSION REVERSE FILTRATION PROCESS



PROTOCOL FOR COVID-19 REAL TIME - PCR ASSAY, WITH PRE-CONCENTRATION OF VIRAL LOAD PRIOR TO RNA EXTRACTION

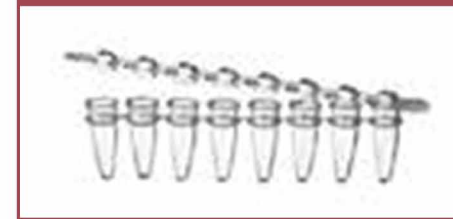
1. COVID-19 SAMPLING



3. RNA EXTRACTION



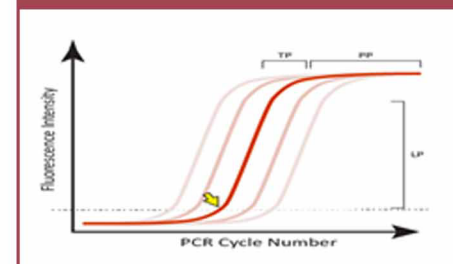
4. REVERSE TRANSCRIPTION



5. REAL TIME PCR



6. DATA ANALYSIS



2. SEDIPREP® Sample Preparation for rapid Pre-Concentration of Covid-19 Viral load

Covid-19 Viral load Pre-Concentration

Recovery of Covid-19 content from swab samples to be processed with the patented Size Exclusion Reverse Filtration SEDIPREP® device.

Step (i)

Pour the entire Covid-19 swab sample into the SEDIPREP® Container Unit. (Pic 01)

Step (ii)

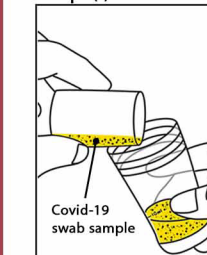
Slid the SEDIPREP® Filter Unit axially into the SEDIPREP® Container Unit and fasten in a clockwise direction to remove unwanted VTM supernatant that has entered into the SEDIPREP® Filter Unit chamber. (Pic 02 & 03)

Step (iii)

Decant the VTM supernatant, unfasten the SEDIPREP® Filter Unit from the SEDIPREP® Container Unit. (Pic 04 & 05)

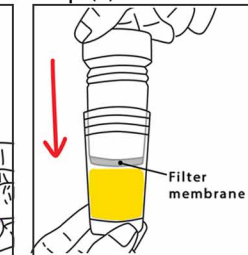
Retained concentrated Covid-19 content in the SEDIPREP® Container Unit for use on the RT-PCR Test.

Step (i)

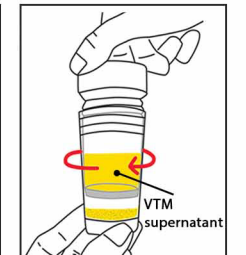


(ii) Pic 01

Step (ii)

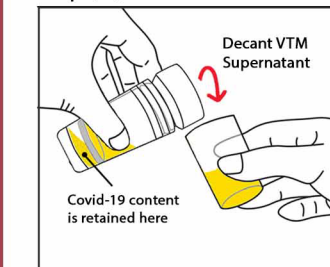


(ii) Pic 02

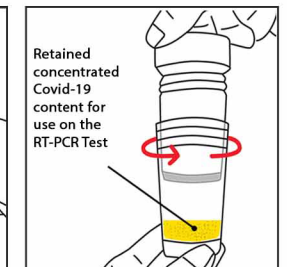


(ii) Pic 03

Step (iii)



(ii) Pic 04



(ii) Pic 05

Product : SEDIPREP® PS50-0300 (CVD)



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**Not compatible for use on VTM Solution with Lysis Buffer