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## VIRA-PORE Viral Sampling Cassette

A specialty air sampling cassette for the collection of viral RNA

### Instructions for Use

The Vira-Pore viral sampling cassette featuring the ZePore™ filter has been specifically designed and validated for the collection of airborne RNA from a coronavirus and, by analogy, it could be used for sampling RNA from other viruses.

The Via-Pore is capable of collecting viral particles, while maintaining the stability of viral RNA during sampling, transport to the laboratory, and storage before analysis. The viral RNA can then be eluted and analyzed using RT-PCR with primers specific to the virus under investigation.

1. Set and verify the flow rate of the sampling pump to 10 LPM or 3 LPM using a separate cassette for the purpose.
2. Clean hands or wear clean, disposable, powder free gloves.
3. Tear open the foil package using the tear strip on top. Use care when opening as this package is re-sealable and is required to be used after sampling for transport to the laboratory.
4. Remove the Vira-Pore cassette from the package.
5. Remove the outlet plug on the cassette and remove the entire inlet piece to perform an open-faced sampling event.
6. Sample for 10 – 60 minutes at 10 LPM or for longer periods at 3 LPM.
7. Replace the inlet piece onto the cassette and ensure both the inlet and outlet plugs are inserted.
8. Wipe down the outside of the cassette with a disinfectant wipe.
9. Place the cassette into the original foil bag and fill out any pertinent sample information.
10. Ship the cassette(s) to the laboratory overnight using a cold pack for shipment.
11. If you cannot ship immediately to the laboratory store the cassette in a refrigerator at 2-6°C (36-43°F) until ready to ship.
12. Samples must be analyzed within 7 days of collection.

**Notice:** The VIRA-PORE viral sampling cassette has been tested for collection of RNA from a surrogate virus, but has not been tested for collection of RNA from the COVID-19 virus. Please see the Technical Summary explaining test methodology and test results. The customer is solely responsible for compliance with (i) the Instructions for Use of the product and (ii) all applicable governmental laws, rules, regulations and industry standards related to the use and safe handling of the product and the packaging, labeling and shipment of the product after collection of airborne RNA. Environmental Express recommends that you seek guidance from a qualified environmental microbiology laboratory with expertise in viruses before performing any air sampling. Seek direction, safe handling and transporting procedures as SARS-CoV-2 is a highly contagious pathogen with significant health concerns if exposed.

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