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MicroLYSIS-RNA – Dry Swab
Rapid Sample Lysis & direct to RT-qPCR

Description:

MicroLYSIS RNA is a rapid RNA/DNA release reagent that benefits from the following attributes:

- MicroLYSIS RNA is CE-IVD marked.
- It does not contain Guanidine salts, or detergents.
- It does contain aspects of Microzone's proprietary PCR buffers to ensure strong amplification of targets.
- The lysate from a dry swab can be used directly into PCR and RT-qPCR without any interference to the PCR reaction. (it can also be used directly with saliva and VTM)
- Microzone has been in the market of delivering outstanding DNA release buffers for over 15 years. These have a wide application across microbiology, genotyping, plant and animal work.
- MicroLYSIS RNA demonstrates effective lysis of SARS-CoV-2 virus.
- The product is stable for 12 months at –20°C, 8 months at 4°C and 1 week at 18-22°C (room temperature).
- In tests, RNA has been demonstrated to be stable in MicroLYSIS RNA - less than 2Ct loss in activity over an 18 week period.
- It is easy to use, rapid, effective and efficient.

Precautions:

Samples are potentially infectious. All steps must be carried out using appropriate safety measures.

Kit Content:

Supplied:

- Tubes containing 500µl of MicroLYSIS RNA ready to use.

Required but not supplied:

- Pipettes capable of dispensing 1-20µl.
- Incubator capable of heating to 95^{o}C (Dry bath etc). We supply suitable dry bath heaters and blocks.
- Centrifuge – Mini or similar

Protocols:

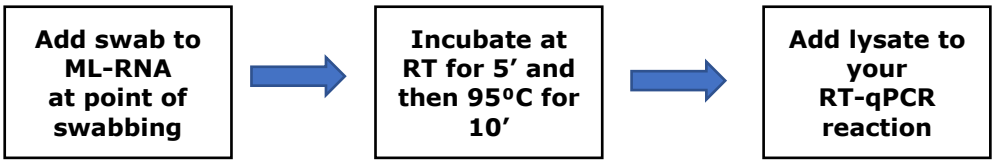
Dry Swabs: Using pre-filled tubes:

Each tube is filled with 500µl of ready to use MicroLYSIS RNA.

1. The tubes are designed to have the sample added to the lysis buffer at the time of taking the sample.
2. Having swabbed the client / subject, remove the lid from the MicroLYSIS RNA tube and insert the swab.
3. Mix the swab with the lysis buffer by twisting the swab back and forth for 20-30 seconds. Withdraw the swab from the buffer and press swab against the side of the tube to remove the final fluid from the swab.
4. Place the cap on to the MicroLYSIS RNA tube and discard the swab appropriately.
5. Incubate the tube at room temperature for 5 minutes.

6. Centrifuge briefly to ensure that they whole sample is in the bottom of the tube.
7. Place the tube into a dry bath incubator and heat to 95°C for ten minutes. Please note that it is important for the fluid in the tube to reach 95°C for the ten minutes. Adding a large number of tubes to a dry bath incubator will cause the block temperature to drop. It is necessary to allow the block to return to 95°C before starting the ten minute incubation.
8. Post incubation the sample is ready to be added to the RT-qPCR reagents and be amplified.

Workflow diagram



Available to purchase through:

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