

MicroLYSIS—RNA

P. Code	Number of Rxn	Component	Description	Lot Number	Expiry
2MLR-100	100 Tubes	MicroLYSIS RNA 100 x 0.5ml	Direct to PCR, DNA Release for use with Viral RNA such as SARs-CoV-2. Store at -20°C.		1 year from date of manufacture.

Applications

- Covid testing by RT-qPCR or probe based Iso-Thermal cycling.

Product Information:

MicroLYSIS RNA is a CE-IVD marked rapid RNA/DNA release, Direct to PCR, lysis buffer that benefits from the following attributes:

- Free from Guanidine salts and detergents.
- Contains 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)
- The product is stable for 12 months at -20°C, 8 months at 4°C and 1 week at 18-22°C (room temperature).

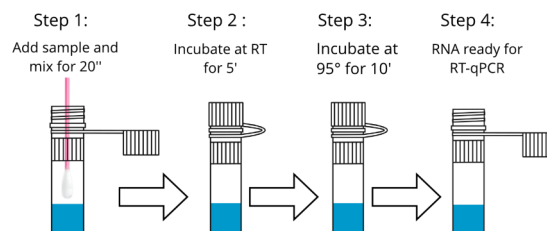
MicroLYSIS RNA has been used extensively throughout the COVID pandemic helping labs to rapidly test patients for infection. It has been used on TV and Film sets, many sports occasions including the PGA Golf tour and fit to fly requirements.

The simple procedure allows the product to be used in a wide variety of places and venues. This has allowed users to be flexible and to set up labs in unusual places such as

fields and car parks.

If you think that this may be a suitable product to assist you in your work, then please contact us.

Workflow:



Associated Products:

Just Water—Molecular biology Grade in convenient 1ml tubes

MegaMix Platinum—Probe based qPCR Mastermix

Protocol

Each tube is filled with 500µl of MicroLYSIS RNA.

- Having swabbed the client / subject, remove the lid from the MicroLYSIS RNA tube and insert the swab.
- 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.
- Place the cap on to the MicroLYSIS RNA tube and discard the swab appropriately.
- Incubate the tube at room temperature for 5 minutes.
- 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.

- Post incubation the sample is ready to be added to the RT-qPCR reagents and as per the kits instructions.

After lysis, all of the microLYSIS-Plus/DNA mixture can be used directly in PCR. Alternatively, the mixture can be stored at -20°C for future use.

Samples from MicroLYSIS PLUS can be used in dye and probe based qPCR reactions as well as traditional end point PCR.



Product Handling

Storage

To ensure the quality of the product until the expiry date keep at the recommended storage temperature and limit exposure to light.

Contamination Control

To prevent erroneous results ensure work environment is free of contamination by cleaning your workstation and equipment daily with a DNA decontaminant daily, wear gloves, use sterile tubes and filter pipet tips.

Simple | Effective | Efficient