

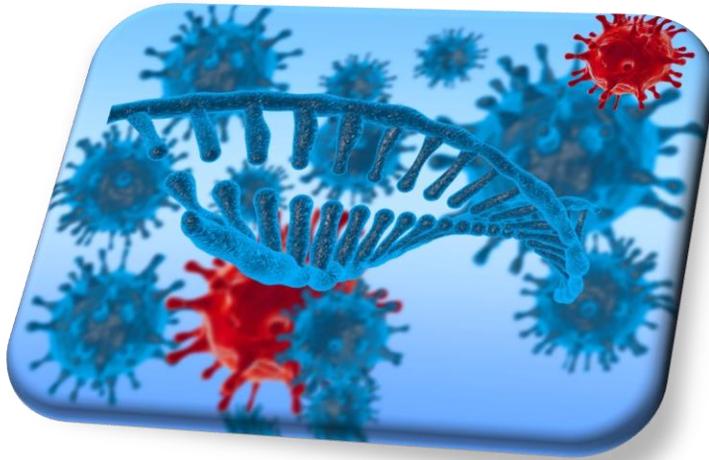
GBM

# GigaBioMol Biotechnology

## MyMagiCon-RW100™

Microorganism and Macromolecule Concentrator

Patent Appl. No: TR 2020/08937 & PCT/TR2020/000003



- ✓ No more painful nasopharyngeal swab sampling !!!
- ✓ Improved sensitivity for antigen tests and PCR
- ✓ Concentrates microorganisms, antigens, RNA and DNA in mouthwash in only 5 minutes!
- ✓ Increases the sensitivity of SARS-CoV2 PCR and antigen tests up to 20-fold

GigaBioMol Biotechnology Ltd.  
Acibadem University Incubation Center  
Istanbul - TURKEY  
[www.gigabiomol.com](http://www.gigabiomol.com) [info@gigabiomol.com](mailto:info@gigabiomol.com)

GBM



- ✓ Automated production and packaging
- ✓ Ready to ship in bulk quantities anywhere around the globe
- ✓ Very easy application



## *MyMagiCon-RW100™*

*Cat No: MMC020*

### **Product Description:**

- MyMagiCon™ contains a special polymer that removes small molecules quickly from solutions and concentrates microorganisms and macromolecules.
- MyMagiCon-RW100™, which is intended for concentrating gargle and mouth wash, for the diagnosis of infectious agents like SARS-CoV2, Influenza virus and other viruses causing infection in the respiratory system, concentrates the sample 10 to 20 times.
- Microorganisms are concentrated if they are in intact form. Even if the organisms are lysed and their nucleic acids and antigens are released into the solution, these will also be concentrated, since, molecules larger than approximately 0.5 kDa will stay outside the polymer beads, while smaller molecules will be removed.
- Thus, MyMagiCon-RW100™ increases 10 to 20 times, the sensitivity of antigen and nucleic acid amplification tests.

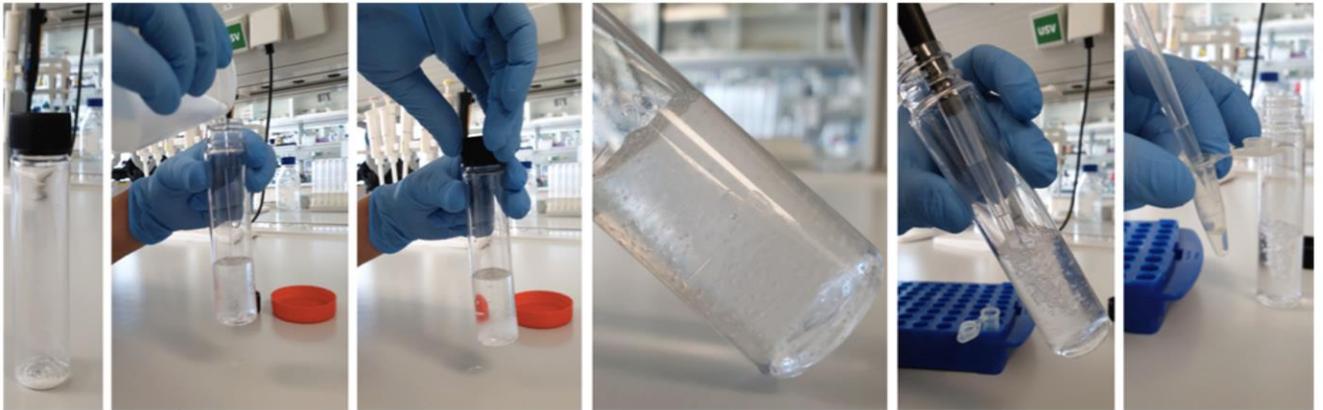


GBM

## *MyMagiCon-RW1 00™*

Cat No: MMC020

### Application:



Pour 20 ml gargle and mouth wash into the tube

Wait 5 minutes for polymers to absorb the fluid

Insert pipette tips in between the polymer beads and pull out the concentrated sample

Transfer concentrated sample into a clean tube which will be used for the diagnostic tests

1. Give the patient a disposable cup (or preferably a screw-cap container). Instruct to take a few sips of water from a glass or bottle, then gargle and rinse mouth with this water for 5-10 seconds and put it back to the container. (It is sufficient to fill the cup or container up to about a quarter. Rinsing the mouth too many times and putting this water into the container may dilute the microorganisms and antigens in the sample.)

2. Write necessary sample information on the MyMagiCon™ tube. Hit the bottom of the tube on the bench a few times to settle the polymer beads that may be stuck to the sidewalls.

3. Transfer 20 ml of sample by pouring carefully from the container into the tube.

4. Close the cap and mix the sample with polymer beads by swirling the tube gently by hand.



## *MyMagiCon-RW1 00™*

*Cat No: MMC020*

5. Hit the bottom of the tube onto the bench a few times to make sure that all the liquid is accumulated at the bottom of the tube.
6. Wait for 5 minutes for the concentration of the sample.
7. Insert a sterile pipette tip all the way to the bottom of the tube and pull out the desired amount of concentrated sample that will be used for testing. (Up to 500µl concentrated sample can be obtained).

**IMPORTANT:** If it is not possible to pull out any sample, add 500µl of the original sample, mix and then pull out the concentrated sample).

**Ingredients:** Polymer beads in plastic screw-capped tubes.

**Materials required but not provided:** Container for obtaining gargle and mouth wash sample; micro-centrifuge tube for transferring concentrated sample; automatic pipette and sterile pipette tips.

### **Safety Precautions:**

- Always wear masks and gloves when working with potentially biohazardous material.
- Work in a laminar flow cabin, biosafety level II, when pipetting the samples.
- Never mouth pipette.
- If contaminated material spills, disinfect with 2.0% hypochlorite solution.
- Pathogenic microorganisms including Coronavirus, Hepatitis B virus and Human Immunodeficiency Virus (HIV) may be present in specimens. Universal precautions and local laboratory guidelines should be followed in handling all items contaminated with blood or body fluids. If a tube is leaking or is accidentally broken during collection or transport, use the established procedures in your facility for dealing with spills containing pathogenic organism. At a minimum, universal precautions should be employed.
- Tubes should be discarded in an appropriate manner according to biosafety principles.

**GigaBioMol Biotechnology Ltd.**  
**Acibadem University Incubation Center**  
**Istanbul - TURKEY**  
**[www.gigabiomol.com](http://www.gigabiomol.com)**

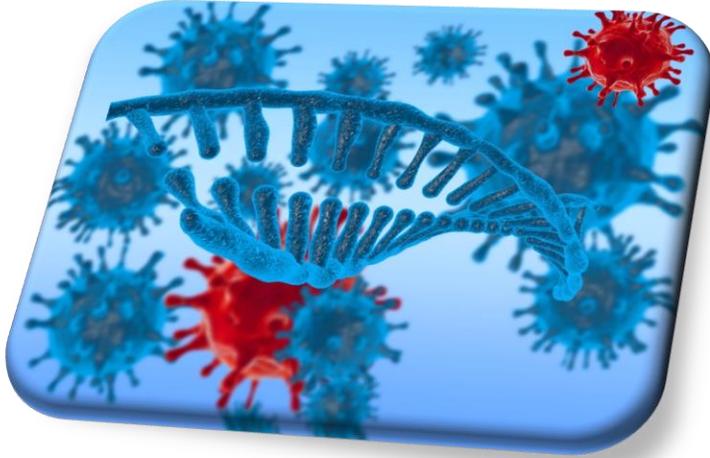
GBM

# GigaBioMol Biotechnology

## MyMagiCon-RW100™

Microorganism and Macromolecule Concentrator

Patent Appl. No: TR 2020/08937 & PCT/TR2020/000003



GigaBioMol Biotechnology Ltd.  
Acibadem University Incubation Center  
Istanbul - TURKEY  
[www.gigabiomol.com](http://www.gigabiomol.com) [info@gigabiomol.com](mailto:info@gigabiomol.com)