



Product Sheet

MagBio CTL Medium™

1. What is MagBio CTL Medium™?

The MagBio CTL™ Medium is a proprietary **GUANIDINE FREE** buffer that allows SARS-CoV2 and other pathogen samples to be collected, lysed (inactivated) and transported at room temperature ensuring stability of the DNA & RNA.

Our goal while developing the CTL Medium was to reduce time required to process samples for pathogen detection. Whether it is Influenza A/B, COVID-19, a bacterial infection, or a fungal infection we wanted a buffer that could **collect, transport and lyse** (CTL) the sample and prepare it for RT-PCR detection – This is exactly what our CTL Medium™ allows end users to do! The collected sample is already lysed by our buffer and on arrival the nucleic acid from the sample just needs to be captured by magnetic beads and eluted for downstream processing. The eluted Nucleic Acid is suitable for direct use in RT-PCR.

The CTL Medium™ will thus significantly cut down sample processing time by reducing the generally lengthy extraction procedures required to prepare these samples for RT-PCR.

2. Sample matrices for MagBio CTL Medium™

- Nasopharyngeal Swabs
- Oropharyngeal Swabs
- Urine Samples

3. Facilities that can use MagBio CTL Medium™

- SAR-CoV-2 Testing & Research Labs
- Diagnostic Laboratories
- Genotyping facilities
- Medical / Clinical Laboratories
- Academic Genomic Cores doing pathogen research / detection / testing
- BioTech / Pharma companies developing pathogen detection panels / assays

4. What problems does the MagBio CTL Medium™ solve?

- Sample degradation post collection and in transit to processing facilities
- Long sample processing time / detection workflows – Time saving
- Low DNA/RNA yields
- Improper sample lysis
- Insufficient inputs for RT-PCR

5. What benefits does the MagBio CTL Medium™ provide?

- Samples can be directly collected in the buffer
- Guanidine Free Buffer
- Maintains stability of samples for up to 10 days at RT
- Reduction in quantity of plastic consumables required to process samples
- Easily adaptable for high throughput automation
- Purified DNA/RNA is suitable for direct use in most downstream applications

6. What makes MagBio CTL Medium™ Unique?

- All in One: Collect – Transport – Lyse. Collected samples are lysed during transport.
- Significant time reduction in pathogen detection – Streamlined sample processing workflow

7. What are the kit's components and requirements?

Components:

Catalog Number	MCTL-M4000	MCTL-M16000	MCTL-T2500	MCTL-T10000
MagBio CTL Medium™	4,000 mL	4 x 4,000 mL	3,000 mL (1.2mL / Tube)	12,000 mL (1.2mL / Tube)

8. Product Master SKU: MCTL

Product Description	Catalog No.
MagBio CTL Medium™ (4000 mL)	MCTL-M4000
MagBio CTL Medium™ (16,000 mL)	MCTL-M16000
MagBio CTL™ Tubes (2500 Tubes)	MCTL-T2500
MagBio CTL™ Tubes (10,000 Tubes)	MCTL-T10000

9. Pricing

Product Description	Catalog No.	Price
MagBio CTL Medium™ (30 mL)	MCTL-M30	FREE SAMPLE
MagBio CTL Medium™ (4000 mL)	MCTL-M4000	\$11,800.00 USD
MagBio CTL Medium™ (16,000 mL)	MCTL-M16000	\$44,000.00 USD
MagBio CTL™ Tubes (5 Tubes)	MCTL-T5	FREE SAMPLE
MagBio CTL™ Tubes (2500 Tubes)	MCTL-T2500	\$15,357.00 USD (\$6.15 USD/ Tube)
MagBio CTL™ Tubes (10,000 Tubes)	MCTL-T10000	\$59,500.00 USD (\$5.95 USD / Tube)