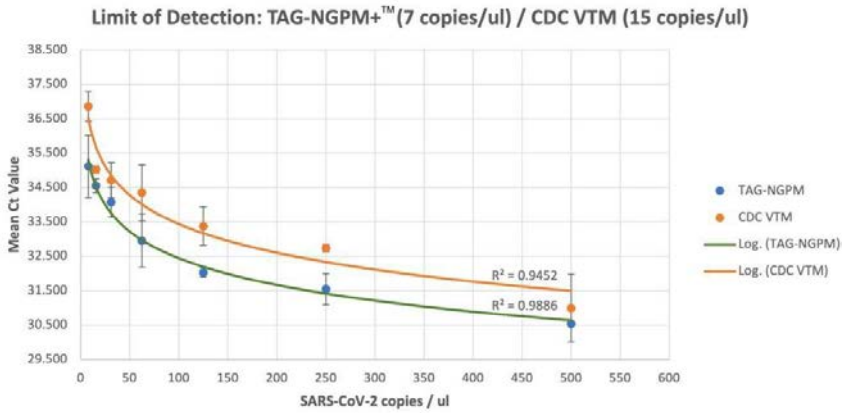
TAG-NGPM+ ™ Transport Media with virus inactivation (RUO)

TAG-NGPM+ is a Next Generation Pathogen Media with virus inactivation and biocide features. It is designed to stabilize samples in ambient temperature and could serve as an excellent SARS-CoV-2 buffer reagent media for collection and transportation of samples to be used in PCR, RT-PCR, recombinase-based isothermal assay (RPA/RAA), and antigen tests. TAG-NGPM+ can be used for both nucleic acid detection and protein-based tests such as antigen tests and immunoassays.

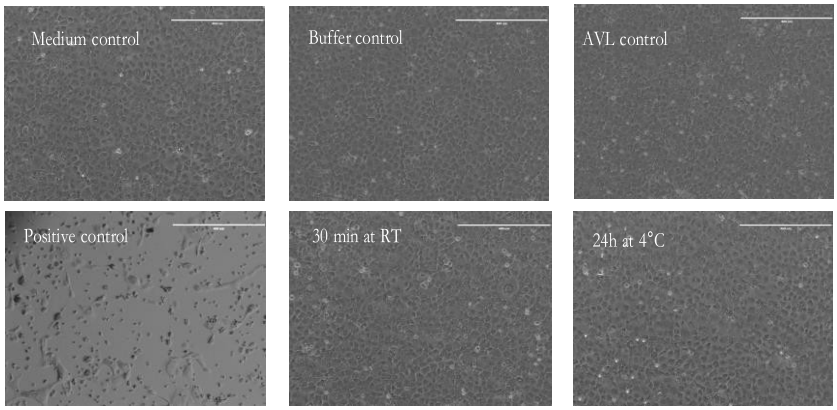
- ✓ **Safe to use with bleach, designed to be compatible with platforms with bleaching steps - CONTAINS NO GUANIDINE**
- ✓ **Universal compatibility: The only ITM designed for antigen, rt-qPCR. lateral flow, NGS and other assays**
- ✓ **99.95% pathogen inactivation within 30 minutes**
- ✓ **Protects RNA from extreme temperature changes / freeze-thaw**
- ✓ **Temperature stable transport and storage (RNA kept stable for28 days at ambient temperature)**
- ✓ **Compatible with upper respiratory (NP, OP) and saliva samples**

Downstream Applications

- Column-based RNA purification
- Magnetic-beads-based RNA purification with automated platforms (Hamilton STAR, Kingfisher, etc)
- Direct RT-PCR
- Antigen testing / Lateral flow assay
- ELISA
- RNA Sequencing / NGS



TAG-NGPM+™ resulted equivalent SARS-CoV-2 RNA LoD in RT-qPCR compared to CDC VTM



Sample types	Incubation time	Incubation temperature	Presence of CPE in culture	Presence of CPE by TCID50 assay
TAG-NGPM+™ + DMEM	none	RT	No (0/3)	No (0/3)
AVL buffer + virus	15 min	92°C	No (0/3)	No (0/3)
TAG-NGPM+™ + virus	30 min	RT	No (0/3)	No (0/3)
	60 min	RT	No (0/3)	No (0/3)
	24h	RT	No (0/3)	No (0/3)
	24h	4°C	No (0/3)	No (0/3)
Virus + DMEM	none	none	Yes	Yes

Results of day 14 post-infection with TAG-NGPM+ buffer: No CPE observed on day 14 in control and test samples except for positive control. SARS-CoV-2 virus is effectively inactivated in TAG-NGPM+™ in 30 minutes

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