



QUALITY STANDARDS AND SPECIFICATIONS OF VTM IN THE MARKET

S.No	Particulars	VTM Tubes in Grey Market Price between 10 & 15 INR.	VIROSTUFF & Other Standard quality VTM tubes @ Price between 25 & 70 INR	Advantages
1	Manufacturing Unit	No GMP standard and Not on ISO-7 grade	WHO-GMP Standard and meets ISO-7 Standard	Ensure Standards and Sterility
2	Chemicals	Industry grade in 50% cost	Molecular grade	Improved Specificity & Quality. Ensure optimal preservation for longer duration.
3	Sterilization of Product	One Step Sterilization	Two Step Sterilization- Autoclaving & Ultra-Filtration.	Ensure Standards and Sterility. Long term usage.
4	Ingredient- Fetal Bovine Serum (FBS)	Using different Ingredient "VIRAL STAB SERUM". Available in 35% cost.	Using high quality imported FBS from New Zealand or from South America.	Essential requirement and the product can be used for Viral sampling and in Cell culture. Avoid FALSE NEGATIVE in COVID test and expression of IC genes.
5	Quantity of the Product- Recommended volume @ 3mL	Dilute the concentration by 50% using normal Saline	Ensure Recommended volume as per standards.	Avoid FALSE NEGATIVE in COVID test even if tested after 72 hours. Shows Exact viral load / CT Value and expression of IC genes.
6	Ingredient- Antibiotics	Normal grade	Research Grade	Ensure Bacterial / Fungal Sterility.
7	Ingredients Cryo-Protectants	Glucose	Added constituents along with Glucose.	To ensure long term storage in freezing temperature and optimal storage of samples during the transport.
8	Quality of Centrifuge tubes	Unethical re-usage of used VTM tubes and procured in substandard market.	Branded Sterile centrifuge tubes with automatic & sterile Feeding, filling & Labeling provisions.	Meets Standards, ethical by using sterile tubes and prevent False COVID results.
9	Credibility of Manufacturer	Seasonal & supply only based on low quotes.	Long term and credible firms with brand values.	Ensure GLP /GMP standards.
10	Business platform	Normal laboratories, hospitals, Covid test collection centers, few government supplies.	Corporate Hospitals, Reputed Medical colleges, Premier Diagnostic Labs, Research centers, Government Institutes & in few government supplies.	Meets customer satisfaction in quality and standards. Ensure the safety and wellbeing of general public.