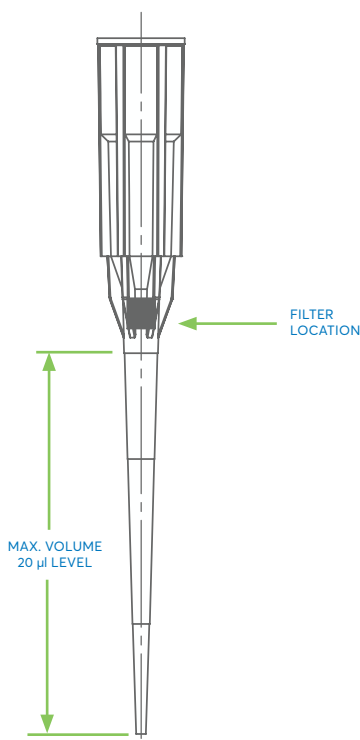
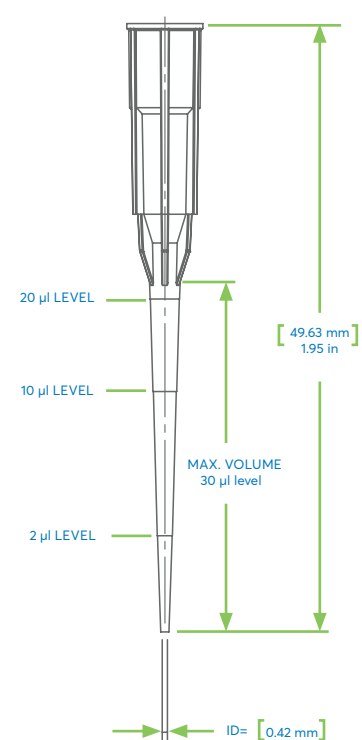


Technical data sheet

VWR® LTS™ COMPATIBLE PIPET TIPS, 20 µl

Description	Filter Pipet Tips		Non-Filter Pipet Tips								
Cat. No.	732-3639		613-6512		613-6507		613-6502		613-6495		
Volume	20 µl		20 µl		20 µl		20 µl		20 µl		
Maximum Available Volume	20 µl		30 µl		30 µl		30 µl		30 µl		
Graduation Levels	2, 10, 20		2, 10, 20		2, 10, 20		2, 10, 20		2, 10, 20		
Filtered	Yes		No		No		No		No		
Low Retention	Yes		Yes		Yes		Yes		Yes		
Pre-Sterilized	Yes		Yes		No		Yes		No		
BioReady	Yes		Yes		Yes		Yes		Yes		
Material	Polypropylene		Polypropylene		Polypropylene		Polypropylene		Polypropylene		
Packaging Type	Racked		Racked		Racked		Reload		Reload		
Packaging	96 Tips/Rack, 10 Racks/Pack		96 Tips/Rack, 10 Racks/Pack		96 Tips/Rack, 10 Racks/Pack		96 Tips/Insert, 10 Insert/Pack		96 Tips/Insert, 10 Insert/Pack		
Technical Drawings											



732-3639



613-6512

QUALITY TESTING

RNase/DNase	Products are washed in distilled water and concentrated via centrifugation. Samples are added to previously established nucleic acid standards, incubated for one hour at 37 °C, and tested on a 2% gel using electrophoresis. Products must show no degradation of standards to pass. Test sensitivity is 10-7 Kunitz units/μl.
Nucleic Acid	Products are washed in distilled water and concentrated via centrifugation. Then, samples are added to protocol specified PCR reactions and thermal cycled for 50 cycles. A 2% agarose gel electrophoresis is used to examine experimental samples, positive controls, and negative controls. To pass, product samples must show no DNA amplification. Test sensitivity is 10 ng.
Endotoxin/Pyrogen	Products are tested for endotoxins by using the Limulus Amebocyte Lysate (LAL) gel assay according to FDA guidelines. Test sensitivity is 0.06 EU/ml.
Trace Metal	Products are washed in distilled water. The sample is then tested using reflectometry using a single strip test for the following metals: Ca, Cu, Fe, K, Mg, Mn and Ni. Standard solutions are used as positive controls. A reader is used to detect metals to a sensitivity of 500 mg/L.
PCR Inhibitor	Products are tested via PCR amplification and gel electrophoresis analysis. Samples must show normal amplification to be considered free of PCR inhibitors.
Sterilization	Products are sterilized to 10 ⁻³ sterility assurance level.
CV Test	Each lot is CV tested and the resulting CV is then printed on the pack label. The volume tested is equal to the maximum volume per tip size.

FEATURED PROPRIETARY TECHNOLOGIES

- Flexibility on the proximal end of tips dramatically minimizes the necessary insertion to make a secure seal
- Positive stop technology reduces ejection force on LTS™ Compatible Pipettors
- Exclusive polypropylene resin reduces sample retention without the risk of leaching or sample contamination
- Pipet tip technology designed to reduce the frequency of hanging droplets, increasing both accuracy and precision