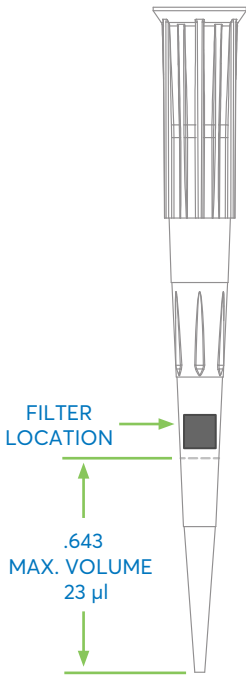
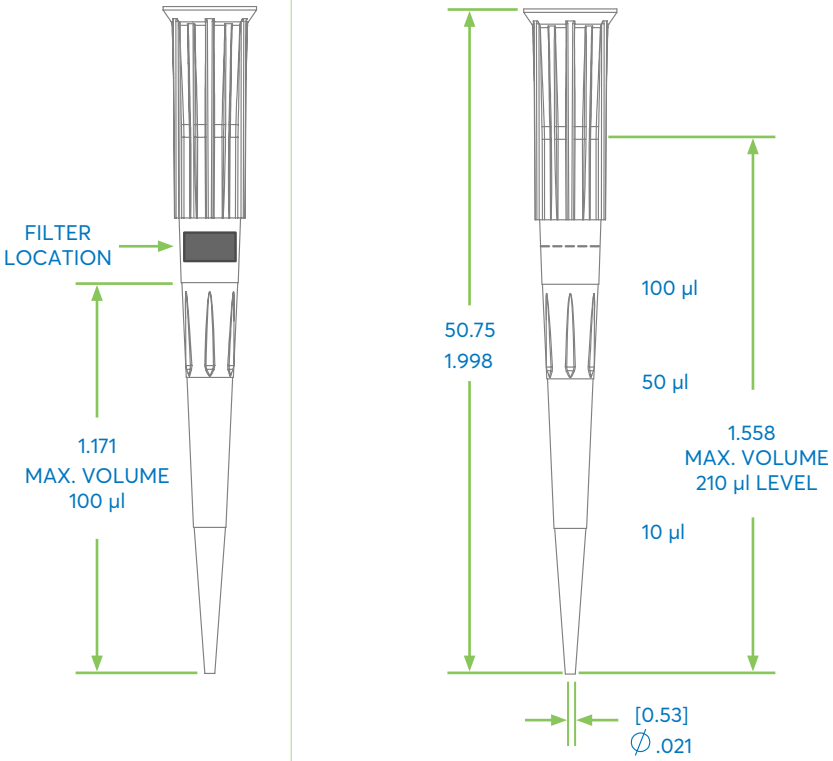


Technical data sheet

VWR® UNIVERSAL PIPET TIPS, 20 µl, 100 µl, 200 µl

Description	Filter Pipet Tips		Non-Filter Pipet Tips			
Cat. No	732-3632	732-3633	613-6465	613-6456	613-6442	613-6435
Volume	20 µl	100 µl	200 µl	200 µl	200 µl	200 µl
Maximum Available Volume	23 µl	100 µl	210 µl	210 µl	210 µl	210 µl
Graduation Levels	10, 50, 100	10, 50, 100	10, 50, 100	10, 50, 100	10, 50, 100	10, 50, 100
Filtered	Yes	Yes	No	No	No	No
Low Retention	Yes	Yes	Yes	Yes	Yes	Yes
Certified Pre-Sterile	Yes	Yes	Yes	No	Yes	No
BioReady	Yes	Yes	Yes	Yes	Yes	Yes
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Packaging Type	Racked	Racked	Racked	Racked	Reload	Reload
Packaging	96 Tips/Rack, 10 Rack/Pack	96 Tips/Rack, 10 Rack/Pack	96 Tips/Rack, 10 Rack/Pack	96 Tips/Rack, 10 Rack/Pack	96 Tips/Insert, 10 Insert/Pack	96 Tips/Insert, 10 Insert/Pack
Technical Drawings	 FILTER LOCATION .643 MAX. VOLUME 23 µl		 FILTER LOCATION 1.171 MAX. VOLUME 100 µl 50.75 1.998 100 µl 50 µl 10 µl 1.558 MAX. VOLUME 210 µl LEVEL [0.53] Ø .021			



732-3632



732-3633



613-6465

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/ μ l.
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
- 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