

Certificate of Quality

VWR Catalogue Number	See List
Description	VWR® LTS Compatible Pipette Tips
Country of Origin	Manufactured in Mexico
Date of Issue (yyyy-mm-dd)	2024-05-07

Racked, filtered, sterile

VWR Catalogue Number	Volume	Length
76322-158	0.1 - 20 µl	49.63 mm (1.95")
76322-160	200 µl	50.75 mm (2.00")
76322-162	20 - 300 µl	58.93 mm (2.32")
76322-164	100 - 1000 µl	88.9 mm (3.50")
76327-216	100 - 1200 µl	97.66 mm (3.85")

Racked, non-filtered, sterile

VWR Catalogue Number	Volume	Length
76323-944	0.1 - 20 µl	49.63 mm (1.95")
76323-946	250 µl	50.75 mm (2.00")
76323-932	20 - 300 µl	58.93 mm (2.32")
76323-934	100 - 1000 µl	88.9 mm (3.50")
76327-218	100 - 1200 µl	97.66 mm (3.85")

Racked, non-filtered, non-sterile

VWR Catalogue Number	Volume	Length
76323-936	0.1 - 20 µl	49.63 mm (1.95")
76323-938	250 µl	50.75 mm (2.00")
76323-940	20 - 300 µl	58.93 mm (2.32")
76323-942	100 - 1000 µl	88.9 mm (3.50")

76327-220	100 - 1200 µl	97.66 mm (3.85")
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Reload, non-filtered, sterile

VWR Catalogue Number	Volume	Length
76322-530	0.1 - 20 µl	49.63 mm (1.95")
76322-532	250 µl	50.75 mm (2.00")
76322-534	20 - 300 µl	58.93 mm (2.32")
76322-180	100 - 1000 µl	88.9 mm (3.50")
76327-212	100 - 1200 µl	97.66 mm (3.85")

Reload, non-filtered, non-sterile

VWR Catalogue Number	Volume	Length
76322-172	0.1 - 20 µl	49.63 mm (1.95")
76322-174	250 µl	50.75 mm (2.00")
76322-176	20 - 300 µl	58.93 mm (2.32")
76322-178	100 - 1000 µl	88.9 mm (3.50")
76327-210	100 - 1200 µl	97.66 mm (3.85")

Empty racks

VWR Catalogue Number	Description	For use with
76323-406	Empty Racks for Reloads, Autoclavable, 10 Racks/Pack	10 - 300 µl tips
76323-408	Empty Racks for Reloads, Autoclavable, 10 Racks/Pack	1000 - 1250 µl tips

Quality System Compliance

Products are manufactured under the [ISO 9001:2015 & and ANSI/AAMI ISO 11137](#) standard. Products are inspected and controlled through whole production processing in accordance with current applicable product specifications and QC SOP.

QC Testing

Representative products samples are collected and inspected in accordance with current applicable product specifications.

Product Specifications

Material	Mixture of Polypropylene Random Copolymer, Polypropylene, Ethylene and Polypropylene Copolymer. Above products comply with USP Class VI test.
Sterilization	Products labelled as sterile are EB (Electron beam) irradiated and dose released upon ISO 11137-2:2013 recommended practices in effect at the time of validation meet a minimum requirement of 10^{-3} SAL with a specified dose range of 3.0 kGy – 20.0 kGy.
ATP Assay	Products are tested via luminescence detection (detection limit 2.5×10^{-10} mg/ μ L) for the presence of ATP and the assay resulted with a value of 2.5×10^{-10} to 7.2×10^{-9} mg/ μ L.
PCR Inhibitor	Products are tested via PCR amplification and gel electrophoresis analysis.
DNase & RNase Free	This product is free of any detectable DNase/RNase contamination. The level of detection limit is 10^{-7} Kunitz units/ μ L and the specification level is $< 10^{-7}$ Kunitz units/ μ L.
Nucleic Acid Free	Products are tested for nucleic acid by electrophoretic detection method with a limit of 10 ng. As a result, no amplicons were detected.
BSE/TSE	No use of any raw material produced from, or substances derived from animal origin. The manufacturing process of the product does not use any ingredient of animal origin and no material derived from or exposed to animals affected by or under quarantine for transmitting Animal Bovine Spongiform Encephalopathy/Spongiform Encephalopathy (BSE)/(TSE).
Cytotoxicity	This product is free of cytotoxicity effects.
Non-Pyrogenic Statement	The level of detection limit is 0.06 EU/ml (LAL Test) and the specification level is < 0.06 EU/ml.
Latex Statement	The product is Latex free.
BPA Statement	Bisphenols are not used in the manufacture of the raw material and are not expected to be present.
DEHP Statement	Please see RoHS information below.
RoHS	No substances (Lead, Cadmium, Mercury, Hexavalent Chromium (Cr6+), Poly Brominated Biphenyls (PBB), Poly Brominated Diphenyl ethers (PBDE), Benzyl Butyl Phthalate (BBP), Bis(2-Ethylhexyl) Phthalate (DEHP), Dibutyl Phthalate (DBP), Diisobutyl Phthalate (DIBP)) are used in manufacturing the raw materials and final product. No routinely analyse is performed.

REACH Statement	No substances as listed on >Substance of Very High Concern< candidate list published 2024-01-23 are used in manufacturing of the raw materials used to produce this product. No routinely analyse is performed.
Material Statement	Products does not contain Phthalates, phthalate additives, plasticizers, mold release agents, GMO.
Storage Conditions	Store at room temperature.
Shelf life	Products labelled as sterile has shelf life of 5 years which is not applicable for non-sterile products.

Disclaimer: VWR states that this declaration will not discharge the user from their obligation to ensure the product is suitable for the intended use. The purpose of the product is for use in laboratory only.
This document has been produced electronically and is valid without a signature.

Version History

Sl.no	Version number	Description	Month & Year
1	1.0	Created General CoQ using new layout	June 2021
2	1.1	Updated Sterilization statement (Dosage range)	March 2024
3	1.2	Updated sterilization, ATP assay, DNase RNase, non-pyrogenic statement, reach date and added Nucleic acid free.	April 2024