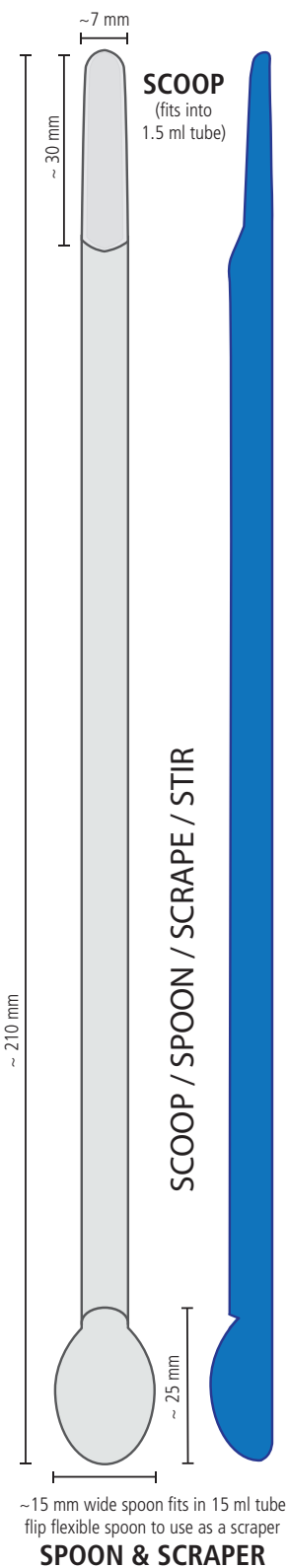


Macro VWRI 231-0105



Standard

Blue VWRI 231-0103
Opaque VWRI 231-0104
Sterile Opaque VWRI 231-0369
Sterile Opq, Non-Toxic VWRI 231-0593



The **VWR® Collection Disposable Spatula** is an autoclavable polypropylene tool for spooning, scooping, scraping and stirring a variety of samples or chemicals. Single use spatulas save time and water and remove the risk of spatula-caused cross-contamination.

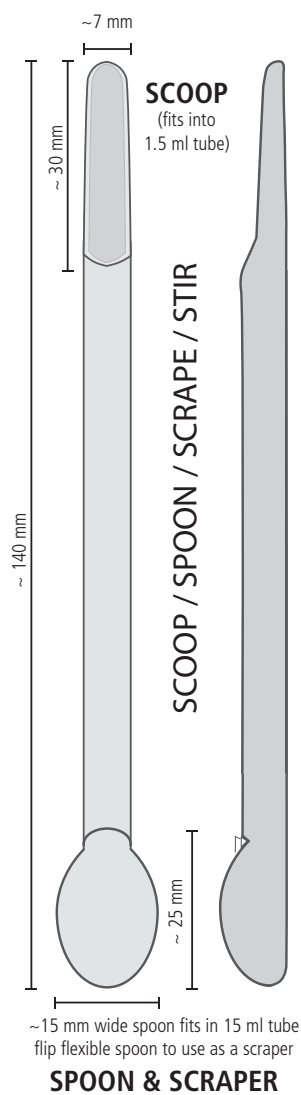
Our spatulas are widely used in commercial, university, diagnostic and pharmaceutical labs world wide. It is also used by compounding pharmacists to produce customized medications.

FDA Statement

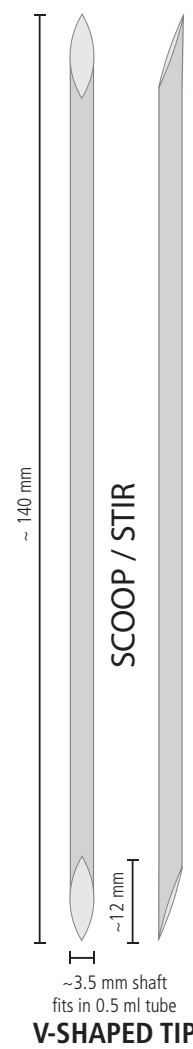
Our Spatulas are manufactured to meet FDA food contact standards. The materials, manufacturing process, standards and procedures used to manufacture the product, meet FDA standards for plastics coming into contact with food as defined by the FDA in 21CFR Part 177 subpart B: Substances for Use as Basic Components of Single and Repeated Use Food Contact Surfaces, part 177.1520.

This tool is for Research Use Only and is not a medical device.

Eco VWRI 231-0416



Anti-Static Micro
VWRI 231-0106-194



Technical and Manufacturing Information

Country of Origin:	All spatulas are manufactured in China. Both types of sterile spatulas are repackaged and sterilized in the USA and qualify as “Made in USA” .				
Quality Control:	Random samples of each production batch are reviewed for adherence to specifications.				
Shelf Life:	Heat and direct sunlight will degrade most plastic polymers. Storage of the spatulas out of direct sunlight in a cool, dry location (normal lab conditions) should result in an unlimited shelf life.				
Autoclavable:	All versions are autoclavable. Autoclaving polypropylene at 121°C at 15 psi for 20 minutes is standard.				
Material					
Macro:	Virgin Food Grade PP	100%			
Standard:	Virgin Food Grade PP	100%			
Eco:	Virgin Food Grade PP	~99%			
	EcoPure® Additive*	~1%			
Micro:	Virgin Food Grade PP	~99.6%			
	Anti-Static Additive	~0.4%			
Per specification, a mix of 96% Virgin Food Grade PP and 4% AMPACET 40390 Hostat 10 BOPP Masterbatch (a food grade internal anti static agent that is made of 90% Virgin Food Grade PP and 10% active ingredient) are combined to make the Micro Anti-Static spatula.					
Sterile and Sterile Non-Toxic Spatulas					
Sterile:	Standard Opaque spatulas, which meet food contact standards, are sent to a 3rd party processor in the USA for repackaging and sterilization. The products are sterilized to an SAL of 10 ⁻⁶ using ethylene oxide as the sterilant in compliance with ISO 11135 requirements.				
Sterile Non-Toxic, Non-Pyrogenic:	The sterile product is further processed and tested to meet Endotoxin Limits per USP 85 requirements (≤ 0.5 EU/ml or 20 EU/device).				
Sterile Expiration:	Sterile Barrier testing was performed per ISO 11607-1 requirements along with Distribution Simulation testing. The repackaged sterilized spatulas will remain sterile as long as the inner pouch containing the 10 sterile spatulas remains intact. The seals on this product are certified to remain intact for a minimum of 72 months.				
Statements					
BSE/TSE:	No raw materials that contain, or are derived from, animals are specified in the manufacture of Macro, Standard or Eco. Please see the statement below regarding the Micro.				
BSE/TSE Micro:	Micro spatulas contain ~0.4%, AMPACET 40390 Hostat 10 BOPP an internal anti static agent. The following statements in italicized text have been excerpted in their entirety from the Ampacet Regulatory Status document for 40390 Hostat 10 BOPP Masterbatch and relate only to the Ampacet additive that is used to give the Micro Anti-Static product the desired level of surface resistivity: <i>Food Contact Status:</i> “This material is composed of ingredients that are cleared by the U.S. Federal Food and Drug Administration (FDA) for use in Polypropylene as described in sections 174.5, 177.1520 (c) 1.1a, 178.2010, 184.1505, and 178.3297 and may be used in food contact applications subject to applicable restrictions described herein and in Title 21 of the Code of Federal Regulations.” <i>BSE/TSE:</i> “This product contains one or more ingredients formulated with animal-derived substances that comply with USDA/APHIS Title 9 CFR, EMEA/410/01 (rev. 10/02/02), EU regulation 1774/2002/EC, Directive 2000/6/EC and Commission Directive 2003/32/EC.”				
DNase & RNase Free	N/A	Residual Metal Catalysts	N/A	DEHP Statement	Does not contain
GMO	N/A	Residual Solvents (ICH 3)	N/A	Latex Statement	Does not contain
REACH	N/A	Extractables & Leachables	N/A	Melamine Statement	Does not contain
RoHS	N/A	Allergen Statement	N/A	BPA Statement	Does not contain
Lot specific Certificates of Conformity and/or Certificates of Sterility are available upon request.					
*EcoPure® Additive: Eco Disposable Spatulas are produced with the EcoPure® Additive, which helps promote biodegradation in the polypropylene resin. “EcoPure® requires the action of certain enzymes for the biodegradation process to begin, so plastics containing EcoPure® will never begin to biodegrade during normal use.” [2011, Bio-Tec Environmental, USA] The spatulas produced using this additive were subjected to third party testing and found to biodegrade an average of 28.4% in the first 586 days of testing under conditions that simulate a biologically active landfill using the ASTM D5511 test protocols. Present tests, at 49% solids content, approach the conditions of wetter landfills, such as those in the southern United States. Biodegradation rates may be lower in landfills in other areas of the U.S. depending on the moisture level in those landfills. ASTM D5511-11: This test method also may resemble some conditions in biologically active landfills where the gas generated is recovered and biogas production is actively promoted.					
Important California Notice California law prohibits the sale of plastic packaging and plastic products that are labeled with the terms ‘biodegradable,’ ‘degradable,’ or ‘decomposable,’ or any form of those terms, or that imply in any way that the item will break down, biodegrade or decompose in a landfill or other environment. These restrictions apply to all sales in or into the State of California, including such sales over the Internet. This product complies with packaging requirements of the State of California.					