

# Product Introduction



### New Tip Rack/Refill System

Guaranteed Purity Hinged-lid Rack Space-saving Refills LTS and Universal Fit

# Rainin BioClean Ultra

# Purity and Performance





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# **7 Great Reasons**

# Why Your Customers Should Choose Rainin!

Rainin tips now come packaged in a new rack and refill system.



### Hinged/Lift-off Lid

Our innovative new hinged rack holds the lid open to a wide 120° or gently releases to function as a lift-off lid.



### **Multichannel Friendly**

The wide-opening lid and unique tip deck design enables full or partial multichannel loading from any angle.



### **BioClean Ultra**

With the new Ultra quality test, Rainin's tip purity standard continues to be industry leading.

Less Plastic, Lighter Weight Precision engineering has resulted in a sturdy, stable rack that requires 20% less plastic.

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neun vina 189239 Boldi 1735 41851

Rain in 200 µL Bioclean Ultram Seenings PN 30389239 (2009)

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# **1. Enhanced Quality and Performance** The New Rainin Rack and Refill System Delivers

Our new integrated pipetting consumables system includes new racks, improved refills and enhanced tip biocontaminant testing.

### **Value Proposition**

METTLER TOLEDO has redesigned its flagship line of Rainin pipette tip products to deliver greater utility and convenience.

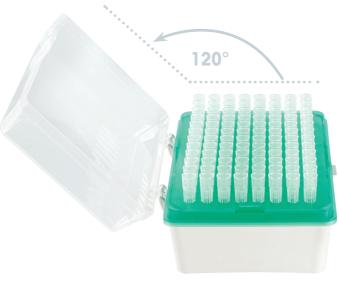
- The new, lighter tip rack features a special "bi-functional" hinged/lift-off lid and front latch for secure, one-hand operation.
- New Green-Pak and Green-Pak SpaceSaver rack refill systems have been optimized and redesigned to minimize plastic waste and improve recyclability.
- The new "BioClean Ultra" standard expands BioClean to include quality testing procedures for proteins and protease, assuring greater utility in a broader array of applications, including proteomics.

### 1.1 Why Update Our Tip Rack and Refill System?

The Rainin removable cover rack design was introduced at a time when molecular biologists routinely autoclaved all plasticware in an effort to destroy nucleases. Its thick walls, vented tip deck and two-position, lift-off lid met the need. But needs change, and today it is not uncommon to walk into a lab and see that tape has been applied to a Rainin rack, in an effort to convert it to a hinged design.

The challenge: design a tip rack that integrates seamlessly into the laboratory workflow and better accommodates the diverse pipetting needs of life science researchers. Racks are subjected to a variety of demands and must comply without hesitation or impediment. Multichannel pipettes in particular load tips from a variety of orientations and impose much greater force upon the rack during tip loading.

In addition to complementing the customer's workflow, the rack and refill system has the added responsibility of protecting the purity and physical integrity of the tips until ready for use. Refill systems must work effortlessly and intuitively with empty racks, and racks must be able to endure multiple rounds of autoclaving.



BioClean Ultra rack's lid rests at 120°

### **1.2 Product Scope**

Every facet of the new Rainin racked tip, Green-Pak and SpaceSaver portfolio has been carefully designed to meet the following objectives:

- A tightly integrated system of racks and accompanying refill systems that interface in a seamless, intuitive manner for effortless rack reloading.
- A hinged lid that rests open at 120° and is easily removed/reattached.
- A secure lid latch to prevent tips from spilling, yet opens easily with one hand.
- A lid and tip deck configuration that makes it possible to fully or partially load multichannels from any angle.
- A new labeling system that enables users to more quickly identify the tip size and attributes.
- A robust rack design that moves easily between and into different laboratory environments and the hands of individual researchers employing different applications.
- Full autoclavability.
- "LTS" embossed into the top of the tip to assure customers that they are using genuine Rainin LTS tips.
- Expanded tip batch testing that adds protein and protease to the already broad range of biological contaminants Rainin tests for. Each test is carried out at the practical limit of detection (LOD) using established testing methods specific for each contaminant type.
- Further minimize plastic waste in SpaceSaver by eliminating the empty rack, which many customers have told us they don't want or need.
- Enhanced product sterility by switching from shrink wrap to more durable, non-porous flow wrap.

### 1.3 Rack/Refill Enhancements at a Glance

New Rack	New Rack Refills
The new rack forms the key component in this new consumables product line. Our new tip racks reflect design changes based on feedback from our customers and global sales team. As the new rack design evolved, each design phase was carefully tested and refined to achieve optimal performance.	The new GP and GPS refill systems are designed to effortlessly engage with the new rack for quick and easy refilling. The new GP and GPS refill systems retain all of the benefits of the previous system, but are more environmentally friendly and provide greater protection against dust intrusion.
<ul> <li>Hinged lid expands its utility</li> <li>Color coding for easy volume identification</li> <li>Front latch enhances security and further assures tip cleanliness</li> <li>20% less plastic to reduce environmental impact</li> <li>The hinged lid opens to 120° or lifts off entirely</li> <li>Stackable</li> <li>Refillable</li> <li>Autoclavable, multiple times</li> <li>High-clarity lid makes it easier to see the tips when the lid is closed</li> <li>Accommodates multichannel tip loading in all orientations.</li> <li>Available in sterilized and non-sterile</li> </ul>	<ul> <li>Reduced plastic content</li> <li>Resealable GPS protects unused refills from dust intrusion</li> <li>GPS refill minimizes bench and storage surface required</li> <li>Easy to use</li> <li>Available sterilized or non-sterile</li> </ul>
The old GP and GPS refill systems marked "BioClean" cannot be used to refill the new racks.	The new GP and GPS refill systems marked "BioClean Ultra" cannot be used to refill the rack system being phased out. Important: Customers buying BioClean Ultra refills for the first time should also buy a box of racked BioClean Ultra tips to assure they have compatible BioClean Ultra racks on hand. They
	The new rack forms the key component in this new consumables product line. Our new tip racks reflect design changes based on feedback from our customers and global sales team. As the new rack design evolved, each design phase was carefully tested and refined to achieve optimal performance. • Hinged lid expands its utility • Color coding for easy volume identification • Front latch enhances security and further assures tip cleanliness • 20% less plastic to reduce environmental impact • The hinged lid opens to 120° or lifts off entirely • Stackable • Refillable • Autoclavable, multiple times • High-clarity lid makes it easier to see the tips when the lid is closed • Accommodates multichannel tip loading in all orientations. • Available in sterilized and non-sterile The old GP and GPS refill systems marked "BioClean" cannot be used to refill the

# 2. BioClean is Now BioClean Ultra

The BioClean testing regimen and specifications, which were introduced in 2003, are still the industry's most comprehensive, but did not address potential protein and protease contamination, potentially limiting the appeal of our tips to proteomics labs. To remedy the situation, BioClean has been upgraded to BioClean Ultra by adding protein and protease contamination testing. All other tests and specifications are the same.



### 2.1 Protein and Protease Test Specifications

The specifications for these two contaminants are at the levels of greatest sensitivity that can reasonably be achieved without the use of exotic methods and equipment. For example, the test for protein is an acrylamide gel-based method which has a visual limit of detection of 1-2 ng/band with silver staining. This is important because the level of detection of a spot on a two-dimensional protein gel is also 1-2 ng/spot. Given this, the BioClean Ultra test detects protein contamination down to a level that could conceivably result in a false positive on a 2-D gel. As such, our protein test method and sensitivity are relevant to proteomics work.

Contaminants Tested	Testing detection levels
RNase	≤ 10 <sup>-9</sup> Kunitz units/µL
DNase	≤ 10 <sup>-7</sup> Kunitz units/µL
Human DNA	< 0.32 pg
Bacterial DNA	< 1 pg
Endotoxin	≤ 0.001 EU/mL
ATP	< 2 x 10 <sup>-12</sup> mg/µL
Protein	< 2 ng/lane (no visible band)
Protease	≤ 500 ng/mL
PCR Inhibitors	None detected

The test for protease is a sensitive, reliable, off-the-shelf method that relies upon the cleavage of a terminal fluorescent group from casein by any contaminating protease (there are several different kinds). This is referred to as the "FITC-casein" test. The test regimen is applicable to groups of tips collected from different production batches. With this method, several tips are rinsed with an aliquot of protease-free water and the rinsate is then tested.

### 2.2 Contaminant Testing Varies Among Manufacturers

While there is similarity among tip manufactures in how they test for various contaminants, there is significant disparity in the type and total number of contaminants they test for. Likewise, some competitors simply state that their tips are "free of" a particular contaminant without providing their test methods, data or specifications. Among competitors we've found who document their quality testing, both BioClean and, now BioClean Ultra, are the most stringent and comprehensive.

The chart below demonstrates how quality testing varies among tip manufacturers. What it does not show is the specification for each potential contaminant. For example:

• No other competitor tests its tips for this many contaminants and only Rainin tests for both protein and protease.

### How BioClean Ultra compares with the competition

	Human DNA	Bacterial DNA	DNase	RNase	Endotoxin
BioClean Ultra	< 0.32 pg	< 1 pg	≤ 10 <sup>-7</sup> KU/µL	≤ 10 <sup>.</sup> KU/µL	≤ 0.001 EU/mL
AXYGEN	-	-	"DNase Free"	"RNase Free"	≤ 0.05 EU
BRAND	< 0.40 fg	-	_	< 8.6 fg	< 1 pg
EPPENDORF	< 2 pg	< 50 fg	10 <sup>-4</sup> KU	10 <sup>-9</sup> KU	< 0.001 EU/mL
INTEGRA	None detected	-	None detected	None detected	< 0.06 EU/mL
LABCON	< 1 pg	-	"Free of"	"Free of"	< 0.05 EU/mL
SARSTEDT	"Free of"	"Free of"	"Free of"	"Free of"	"Free of"
SARTORIUS	-	-	< 6.25 x 10 <sup>-5</sup> U/µL	< 3.125 x 10 <sup>.9</sup> U/µL	< 0.03 EU/mL
SSI	< 30 pg	-	<10x <sup>-7</sup> KU/µL	< 10 <sup>.9</sup> KU/µL	< 0.06 EU/mL
THERMO ART	< 30 pg	-	<10 <sup>-7</sup> KU/µL	< 10 <sup>-9</sup> KU/µL	$\leq$ 0.06 EU/mL
USA	"Free of"	"Free of"	"Free of"	"Free of"	"Free of"

- Eppendorf tests its tips for protein, but not protease and the converse is true for Labcon.
- Labcon provides no specifications for its protease testing.
- Rainin's test specifications reflect the limits of detection for each test procedure, which guarantees both high sensitivity and stringent pass/fail criteria.
- Rainin has the most complete array of biocontaminant testing and publishes abbreviated versions of all of its test methods and specifications.
- Rainin subjects each production batch to the complete BioClean Ultra quality test regimen, while some competitors test on a monthly or quarterly basis.

To summarize, comparing quality certificates from a broad range of competing tip manufacturers with BioClean Ultra, Rainin offers the most stringent and comprehensive tip quality specification on the market.

Protein	Protease	ATP	PCR Inhibitors	
< 2 ng/sample	≤ 500 ng/mL	< 2 x 10 <sup>-12</sup> mg/µL	None detected	
_	_	_	-	
_	-	< 1 fg	_	
<lng td="" µl<=""><td>-</td><td>&lt; 5.5 x 10<sup>-12</sup> mg</td><td>&lt; 10 targets amplifiable</td><td></td></lng>	-	< 5.5 x 10 <sup>-12</sup> mg	< 10 targets amplifiable	
-	-	_	None detected	
_	"Free of"	ATP-free	-	larand
_	"Free of"	"ATP-free"	"Free of"	Legend KU Kunitz Units EU Endotoxin Units
-	-	-	-	<b>ng</b> nanogram (Factor: 10 <sup>.9</sup> ) <b>pg</b> picogram (Factor: 10 <sup>.12</sup> )
_	_	_	_	fg femtogram (Factor: 10 <sup>-15</sup> ) " - " no data available
-	-	< 10 <sup>-13</sup> mg/µL	None detected	"Free of" and "None detected" - indicating no observed contaminat
_	_	_	_	based upon test methods employe No specifications or test methodolo provided.

### 2.3 Tip Quality Certificates Now Online, Customizable

Cartons for new tips no longer have generic Quality Certificates included with them. Instead, the inner flap instructs customers to go to www.mt.com/RaininCerts for quality certificates. At the site, BioClean Ultra customers have two options:

- Provide their name or organization, the product serial number and the nine-digit batch code to generate a customized certificate that they download as a PDF or print out.
- Print or download a generic BioClean Ultra certificate. This option is for customers who either don't want a customized certificate or for some reason are having trouble creating a custom certificate.

Should a customer with pre-Ultra tips end up on the site, they have the option to print or download a generic BioClean certificate for tips manufactured before February 2018.

Rainin BioClean''' Ultra pip Prolease- and ATP-Iree'' ha								
RNase         ≤ 10           DNase         ≤ 10           Human DNA         < 0,3           Bacterial DNA         < 1,2	<sup>7</sup> Kunitz units/µL <sup>7</sup> Kunitz units/µL 32 pg	Contaminants Teste ATP Protein Proteose PCR Inhibitors	BioCl	<mark>ean</mark> Ultra				RAINI Pipetting 38
Testing Procedures		CER	Batch	National Institutes of 1729, 31025 Jul. 18, 2017 10:25	Health		10 µL max. v shaft/tip ejec	SpaceSaver™ stacked refills, olume, universal-fit, ShaftGard tor protection, low-retention, 0 tips in 10 layers
The second secon	The other is a strength of the other	nce between baseline in ATP standard solution otions in light emission lion are evaluated to ATP. otch were rissed with			ra pipette tips se" have been	OF QU abeled "Co process-le the test p	ertified RNase-, DN sted and passed th rotocols below. Contaminates Tested ATP Protein Protein Proteins PCR Inhibitors	Idase-, Endoloxin-, Protein-, tes following detection lavels       Varing Detection Lavels       2 a plane (on table band) 5 a plane (on table band) 5 a band (on table band) 6 a band (on table band) 6 a band (outply tytem)
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		tom	30418164 Rev A					METTLER TOLEDO

# **3. Additional Product Enhancements**

In addition to the new rack/refill system and BioClean Ultra, there are significant improvements across our new racked tip line.

### 3.1 Pre-sterilized is Now "Sterilized"

Gamma irradiation kills or inactivates any microorganisms present, rendering the product fully sterile. The dosage of gamma irradiation we use is carefully selected based upon preceding "bioburden" studies of Rainin products.

We previously wrapped our products in shrink-sealing plastic material. It has tiny pores that let the air out when shrink-wrapping, allowing it to suction tightly to the product. But these tiny holes in the wrapping prevented us from designating our tips as "sterile," because the pores could conceivably allow a microorganism or spore to enter the package. So despite being gamma-sterilized, shrink-wrapped products were referred to as "presterilized" – an ambiguous term that often confused customers and employees alike. For clarity, we now use the term "sterilized" to indicate that the product "has been sterilized."

### 3.2 New Flow Wrap Preserves Sterility

The new RT and GPS products feature flow wrapping. Unlike the porous shrink wrap it replaces, flow wrap is a non-porous material that hermetically seals the product inside, providing no opportunity for microorganisms to enter following sterilization. It is also durable enough to retain full structural integrity for at least five years.

The shift to flow wrapping keeps us ahead of a few key competitors and means that our tip packaging now greatly exceeds the performance of many others.

The flow wrap employed by Rainin is particularly suited to the rigors of worldwide shipping, including adverse conditions and a range of temperatures and atmospheric pressures, often for prolonged periods. The wrap has been fully tested and proven to remain airtight to protect product cleanliness, sterility and integrity.

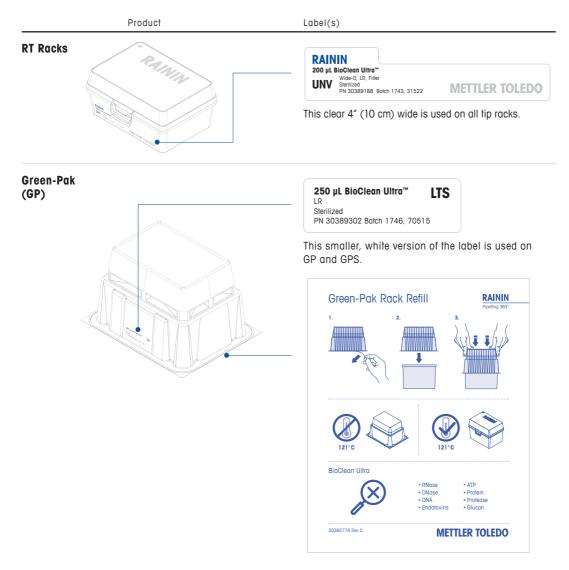
### 3.3 Translucent Colors for RT, GP and GPS

The color scheme for the new tip products is identical to that used for TerraRack. The solid red, green, and blue colors previously used for removable-cover racks have been replaced with the translucent color palette introduced with TerraRack, and yellow replaces gray for the 300  $\mu$ L tip products. And like TerraRack, both LTS and UNV racks and refill systems have identical color schemes.

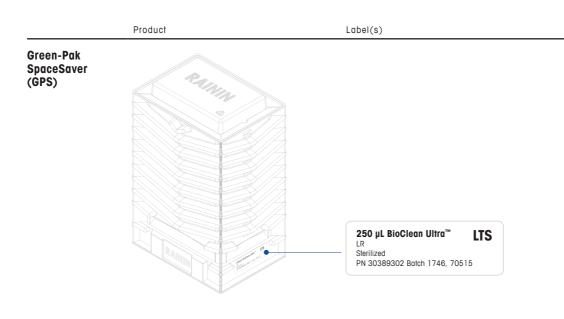
### 3.4 RT, GP and GPS Now Have Product Labels

The new RT, GP and GPS products have labels that provide more product information and a new, more specific batch code.

See Appendix B for a detailed discussion of the information contained on the label and how to read the extended batch code.



The new GP peel-off Tyvek lid includes mostly illustrated, non-language centric instructions.



### 3.5 TerraRack, StableRak and StableStak

At the launch of the RT, GP and GPS, labeling, packaging and other elements for TerraRack, StableRak and StableStak will remain exactly as they are now. For example:

- Whereas RT, GP and GPS will initially be designated as "Sterilized," to avoid the significant cost of changing packaging, literature, etc., TR, SR and SS will continue with the "Presterilized" designation.
- TR, SR and SS will continue to be shrink sealed. The other products will be flow wrapped in a non-porous material.
- TR, SR and SS will continue to have product-specific information ink-jet printed on the lid surface. The other products will have labels bearing printed information.

### 3.6 Side-by-Side Comparisons of New Rack vs. Old Rack

Feature	Previous Rack	New Rack
Lid design	Lift-off, translucent	Hinged, high clarity
Front latch	Opens if dropped or inverted	Stays closed if dropped or inverted
Colors	Solid red, green, blue and gray	More modern look with translucent color decks over white base. Yellow replaces grey for 300 µL.
LTS/UNV designation	Colored base for LTS	Same rack/deck for both. LTS or UNV printed on label.
Product information	Printed on rack lid	Printed on branded front label
Refillable	Yes	Yes
Autoclavable	Yes	Yes
Stackable	No	Yes
Stability	Excellent on most surfaces	Excellent on most surfaces
Multichannel loading	Most tip sizes and orientations	All tip sizes and orientations
Weight	Relatively heavy	Weighs 20% less
Wrapping	Porous shrink-sealing material	Non-porous flow wrapping
Recycled content	Varies	No
Operation	Two hand	One hand
Sterility	Presterilized	Sterilized

	Vinnen	Automation and a second
Feature	Previous GP	New GP
Operation	Two-hand	Two-hand
Shipping	Occasional impact damage	Improved to reduce damage
Sterility	Presterilized	Sterilized
Peel-off Tyvek lid	Yes	Yes
Instructions for use	Yes	Yes
Product-specific information	Only on product box	Each GP is labelled
Recyclable blister	Limited due to hybrid composition	100% virgin PET, fully recyclable

### 3.7 Side-by-Side Comparisons of New GP vs. Old

### 3.8 Side-by-Side Comparisons of New GPS vs. Old

Feature	Previous GPS	New GPS
Operation	Push from top	Push from top
Rack included	Yes	No. Has disposable bottom shipping support made from polypropylene
Top and bottom caps	No	Yes
Recyclable components	Yes	Yes
Sterility	Presterilized	Sterilized
Product-specific information	Label on band	Labels on band and tower
Instructions	Printed on band	Printed on band
Sealing method	Porous shrink-sealing material	Non-porous flow wrapping
Refill wafer colors	Solid, red, green, blue and gray	More modern look with translucent color decks. Yellow replaces grey for 300 µL.

### 3.8.1 Empty Racks

The new GPS has been redesigned to further minimize plastic waste and the polypropylene rack has been eliminated. Because the current rack is incompatible with the new GPS, empty racks are available to help customers transition to the new GPS. Several new GPR part numbers exist and sales personnel should provide empty racks to customers, where necessary.

### 3.9 Flow Wrapping

The new, non-porous flow wrap on the racked tips and SpaceSaver seals the product inside, preventing microorganisms and spores from entering after sterilization. Each sealed end of the flow wrapping is serrated, which allows the wrap to be easily torn and removed. The flow wrapping is much easier to remove than the shrink wrap, which employed a tear strip on the top of the rack. This is also a significant improvement for GPS, which did not have a tear strip and had be cut or torn away.



### 3.10 LTS Branded Tips

To assure customers that their tips are authentic Rainin LiteTouch<sup>™</sup> System tips and not imitators, all Rainin LiteTouch System tips are now branded with "LTS" molded into the rim where the tip meets the shaft of the pipette. Plus, all new tips – LTS and UNV – are now manufactured with more stringent specifications for flash and concentricity.



### 3.11 More Detailed Tip Names

Our new tip naming system provides customers with more information about the tip.

### **Product Code** RT = Racked Tips GP = Green-Pak GPS = Green-Pak SpaceSaver **Tip Type** I TS Volume **Tip/Rack Quantity** UNV (Universal-fit) RT-LTS-A-200µL-F/L/W-960/10 **Tip Quality Grade Product Attributes** A = BioClean Ultra /G = ShaftGard™ B = BioClean /S = Sterilized /W = Wide-Orifice /L = Low Retention

/F = Filter

/X = Extended Length

# 4. Selling Guide

Customers should love this new product: for the same price they're paying now, Rainin tips now come in a greatly improved rack and refill system, and are manufactured under a tighter purity standard.

Our tips have not changed. Tip quality and composition are exactly the same. But our packaging and purity standard have advanced significantly, to the benefit of customers.

Key features:

- Our new rack and refill system delivers improved functionality
  - Hinged lid also functions as a lift-off lid
  - The new latch is secure, yet opens easily with one hand
  - Color decks and high-clarity lids make tip volumes easy to identify
- Green-Pak and SpaceSaver have been refined for improved operation
- With the new rack and refill system we have lightened its environmental footprint
  - SpaceSaver uses 20% less plastic
  - New tip racks weigh 20% less
- The BioClean purity standard has been upgraded to BioClean Ultra
  - We've added specifications for protein and protease
- New flow wrapping offers greater protection
- · Lightweight rack design with integrated modules for added strength
- Refills that save space and reduce rack waste
- Refills reseal for tip cleanliness

### 4.1 Pricing

Essentially, no pricing change compared to current products.

# 5. Marketing Support

As a major launch, the Racked Tips, Green-Pak, Green-Pak SpaceSaver and BioClean Ultra launch is supported with all required collateral and sales tools.

Description	Purpose	Proposed use
Data Sheet	2-page overview of product benefits.	Distribution via sales, tradeshows and similar events
Brochure	8-page presentation of product benefits and ordering information.	Distribution via sales, tradeshows and similar events
Conversion Guides	4-page guides for both LTS and UNV that provide tables of old and new item numbers and descriptions.	Quick reference guides for customers
Launch Campaign	Create awareness for upgraded rack system and quality standard while assuring that tips have not changed.	Send email/mailer to database.
News Release	Create awareness for the new rack system and cleanliness standard via trade media.	Pitch to scientific publications globally via Fathom (SBU) and send to local press contacts for wider reach (MOs)
Promo Video	Create awareness for upgraded rack system and quality standard while assuring that tips have not changed.	Product pages on mt.com, YouTube, regional email campaigns
Product Pages	Provide comprehensive product information	mt.com/rainin
BioClean Ultra Landing Page	Provide comprehensive product information	mt.com/rainin
LTS Landing Page	LTS description page that links from all references to LTS on mt.com (and ShopRainin.com in the U.S.)	mt.com/rainin

Audience	Availability	Languages	Source
Sales force, customers, prospects, suspects	March 2018	EN, DE, FR, ES, IT, ZH, JP, KO, ZT, others on request	Print on demand portals; PDF on SharePoint
Sales force, customers, prospects, suspects	March 2018	EN, DE, FR, ES, IT, ZH, JP, KO, ZT, others on request	Print on demand portals; PDF on SharePoint
Sales force, customers	March 2018	EN, others on request	Marketing Toolbox on SharePoint
Customers, prospects, suspects	March 2018	All MT approved languages	Marketing toolbox on SharePoint
Customers, prospects, suspects	EN – March 2018 RoW – June 2018	EN, DE, FR, ES, IT, ZH, JP, KO, ZT, others on request	Marketing toolbox on SharePoint
Customers, prospects, suspects	March 2018	All MT approved languages	Marketing toolbox on SharePoint
Customers, prospects, suspects	March 2018	All MT approved languages	mt.com
Customers, prospects, suspects	March 2018	All MT approved languages	mt.com
Customers, prospects, suspects	March 2018	All MT approved languages	mt.com

# Marketing Support, continued

Description	Purpose	Proposed use
Tip Finder	Help customers identify Rainin tips for any major pipette brand. Enhanced features added for launch.	mt.com/rainin-TipFinder
Product Number Lookup Tool (Excel)	Help MT staff identify old/new product names and numbers; see current inventory	Internal reference tool
Product Number Lookup Tool (Online)	Help customers identify the new product numbers for their updated favorite products.	mt.com/rainin-Lookup
Online Certificate Tool	Download and print custom or generic quality certificates for BioClean Ultra and BioClean tips.	mt.com/rainin-Certs
Sales Training PPT	Sales training	Sales training
Battle Card	Provide reps with competitive intelligence to win against competing products and overcome objections.	Sales training

 Audience	Availability	Languages	Source
Customers, prospects, suspects	March 2018	All MT approved languages	mt.com
Marketing, Sales and Tech Service	March 2018	EN	Marketing toolbox on SharePoint
 Customers, prospects, suspects	March 2018	All MT approved languages	mt.com
Customers	March 2018	All MT approved languages	mt.com
Marketing, Sales and Tech Service	March 2018	EN	Marketing toolbox on SharePoint
Marketing, Sales and Tech Service	March 2018	EN	Marketing toolbox on SharePoint

### 5.1 Launch Campaign

An email campaign has been developed to create awareness and interest in the new packaging and BioClean Ultra standard. The campaign is being supported by an online Part Number Lookup tool to help customers transition to the new part number and naming system.

### 5.2 Phase-In/Phase-Out

The new Rainin rack and refill system is a replacement for the old rack and refills. As such, once product launch is complete, old product will no longer be available. The product will launch globally in three phases: 1) North America, 2) Europe and 3) Asia. At launch, the hub in the respective region will:

- Have 30 day supply of current and new product
- Accept orders for current or new products as long supply lasts (MOs will need to check inventory levels prior to placing orders)
- Rely on each MO to check orders carefully to assure that customers do not receive a mix of current and new product (the new racks and refills are not backward compatible)

As soon inventory levels are depleted, current products will be switched to inactive.



BioClean Ultra racks are stackable

# **6. Appendix A** Table of New and Old Names/Part Numbers

## **Racked Tips**

		Old Name	Old P/N	New Name	New P/N
niversal-Fit Tips		RT-10	17002896	RT-UNV-A-10µL-960/10	30389163
niversui-rii nps		RT-10S	17002905	RT-UNV-A-10µL-/S-960/10	30389181
	2	RT-10F	17002904	RT-UNV-A-10µL-/F-960/10	30389172
	~	RT-10LR	17014343	RT-UNV-A-10µL-/L-960/10	30389180
		RT-10SLR	17014344	RT-UNV-A-10µL-/L/S-960/10	30389182
		RT-10FLR	17014345	RT-UNV-A-10µL-/F/L-960/10	30389173
	6	RT-10G	17002908	RT-UNV-A-10µL-/G-960/10	30389174
	10 - ShaftGard (G)	RT-10GS	17002907	RT-UNV-A-10µL-/G/S-960/10	30389178
	Gar	RT-10GF	17002906	RT-UNV-A-10µL-/F/G-960/10	30389175
	hafi	RT-10GLR	17014347	RT-UNV-A-10µL-/G/L-960/10	30389177
	s '	RT-10GSLR	17014348	RT-UNV-A-10µL-/G/L/S-960/10	30389179
	10	RT-10GFLR	17014349	RT-UNV-A-10µL-/F/G/L-960/10	30389176
		RT-20F	17002917	RT-UNV-A-20µL-/F-960/10	30389189
		RT-20FLR	17014351	RT-UNV-A-20µL-/F/L-960/10	30389190
		RT-100F	17002903	RT-UNV-A-100µL-/F-960/10	30389170
		RT-100FLR	17014352	RT-UNV-A-100µL-/F/L-960/10	30389171
		RT-200F	17002912	RT-UNV-A-200µL-/F-960/10	30389186
	250	RT-200FLR	17014356	RT-UNV-A-200µL-/F/L-960/10	30389187
	00	RT-200WFLR	17014364	RT-UNV-A-200µL-/F/L/W-960/10	30389188
	0/2	RT-250	17002916	RT-UNV-A-250µL-960/10	30389191
	30/100/200/250	RT-250LR	17007958	RT-UNV-A-250µL-/L-960/10	30389192
	э	RT-250S	17002913	RT-UNV-A-250µL-/S-960/10	30389193
		RT-250SLR	17014354	RT-UNV-A-250µL-/L/S-960/10	30389194
		RT-250W	17007567	RT-UNV-A-250µL-/W-960/10	30389195
		RT-250WLR	17014362	RT-UNV-A-250µL-/L/W-960/10	30389196
		RT-250WSLR	17014363	RT-UNV-A-250µL-/L/S/W-960/10	30389197
		RT-300	30264956	RT-UNV-A-300µL-768/8	30389058
		RT-300S	30264957	RT-UNV-A-300µL-/S-768/8	30389059
	0	RT-300F	30264958	RT-UNV-A-300µL-/F-768/8	30389136
	300	RT-300LR	30265232	RT-UNV-A-300µL-/L-768/8	30389137
		RT-300SLR	30265233	RT-UNV-A-300µL-/L/S-768/8	30389138
		RT-300FLR	30265234	RT-UNV-А-300µL-/F/L-768/8	30389139
		RT-1000	17002902	RT-UNV-A-1000µL-768/8	30389164
		RT-1000F	17002897	RT-UNV-A-1000µL-/F-768/8	30389165
	0	RT-1000FLR	17014361	RT-UNV-A-1000µL-/F/L-768/8	30389166
	1000	RT-1000LR	17014359	RT-UNV-A-1000µL-/L-768/8	30389167
		RT-1000S	17002901	RT-UNV-A-1000µL-/S-768/8	30389168
		RT-1000SLR	17014360	RT-UNV-A-1000µL-/L/S-768/8	30389169
		RT-2000	17002911	RT-UNV-A-2000µL-480/8	30389183
	ШГ	RT-2000F	17002909	RT-UNV-A-2000µL-/F-480/8	30389184
	2	RT-2000S	17002910	RT-UNV-A-2000µL-/S-480/8	30389185
	Ц Ш	RT-5000	17002919	RT-UNV-A-5000µL-192/8	30389198
	2	RT-5000S	17002918	RT-UNV-A-5000µL-/S-192/8	30389199

	Old Name	Old P/N	New Name	New P/N
LTCR LitoTough® Tipe	RT-L10	17002930	RT-LTS-A-10µL-960/10	30389200
LTS <sup>®</sup> LiteTouch <sup>®</sup> Tips	RT-L10S	17002929	RT-LTS-A-10µL-/S-960/10	30389228
6	RT-L10F	17002928	RT-LTS-A-10µL-/F-960/10	30389225
-	RT-L10LR	17007955	RT-LTS-A-10µL-/L-960/10	30389227
	RT-L10SLR	17007956	RT-LTS-A-10µL-/L/S-960/10	30389229
	RT-L10FLR	17007957	RT-LTS-A-10µL-/F/L-960/10	30389226
	RT-L200F	17002927	RT-LTS-A-200µL-/F-960/10	30389239
	RT-L200FLR	17007961	RT-LTS-A-200µL-/F/L-960/10	30389240
	RT-L200WFLR	17014294	RT-LTS-A-200µL-/F/L/W-960/10	30389241
	RT-L200XF	17008887	RT-LTS-A-200µL-/F/X-768/8	30389242
	RT-L250	17002932	RT-LTS-A-250µL-960/10	30389243
	RT-L250LR	17007959	RT-LTS-A-250µL-/L-960/10	30389244
250	RT-L250S	17002931	RT-LTS-A-250µL-/S-960/10	30389245
200/250	RT-L250SLR	17007960	RT-LTS-A-250μL-/L/S-960/10	30389246
20	RT-L250W	17007102	RT-LTS-A-250μL-/W-960/10	30389247
	RT-L250WLR	17014292	RT-LTS-A-250µL-/L/W-960/10	30389248
	RT-L250WS	17007101	RT-LTS-A-250µL-/S/W-960/10	30389249
	RT-L250WSLR	17014293	RT-LTS-A-250µL-/L/S/W-960/10	30389250
	RT-L250X	17008814	RT-LTS-A-250µL-/X-768/8	30389251
	RT-L250XS	17008815	RT-LTS-A-250µL-/S/X-768/8	30389252
	RT-L300	17002935	RT-LTS-A-300µL-768/8	30389253
	RT-L300F	17002933	RT-LTS-A-300µL-/F-768/8	30389254
300	RT-L300S	17002934	RT-LTS-A-300µL-/S-768/8	30389255
	RT-L300LR	30264959	RT-LTS-A-300µL-/L-768/8	30389160
	RT-L300SLR	30265230	RT-LTS-A-300µL-/L/S-768/8	30389161
	RT-L300FLR	30265231	RT-LTS-A-300µL-/F/L-768/8	30389162
	RT-L1000	17002922	RT-LTS-A-1000µL-768/8	30389211
	RT-L1000F	17002920	RT-LTS-A-1000µL-/F-768/8	30389212
	RT-L1000FLR	17007954	RT-LTS-A-1000µL-/F/L-768/8	30389213
	RT-L1000LR	17007952	RT-LTS-A-1000µL-/L-768/8	30389214
	RT-L1000S	17002921	RT-LTS-A-1000µL-/S-768/8	30389215
	RT-L1000SLR	17007953	RT-LTS-A-1000µL-/L/S-768/8	30389216
0001	RT-L1000W	17007100	RT-LTS-A-1000µL-/W-768/8	30389217
2	RT-L1000WFLR	17014297	RT-LTS-A-1000µL-/F/L/W-768/8	30389218
	RT-L1000WLR	17014295	RT-LTS-A-1000µL-/L/W-768/8	30389219
	RT-L1000WS	17007099	RT-LTS-A-1000µL-/S/W-768/8	30389220
	RT-L1000WSLR	17014296	RT-LTS-A-1000µL-/L/S/W-768/8	30389221
	RT-L1000X	17008817	RT-LTS-A-1000µL-/X-768/8	30389222
	RT-L1000XF	17008819	RT-LTS-A-1000µL-/F/X-768/8	30389223
	RT-L1000XS	17008818	RT-LTS-A-1000µL-/S/X-768/8	30389224
	RT-L1200	17006421	RT-LTS-A-1200µL-768/8	30389230
	RT-L1200F	17006419	RT-LTS-A-1200µL-/F-768/8	30389231
1200	RT-L1200FLR	17008028	RT-LTS-A-1200µL-/F/L-768/8	30389232
12	RT-L1200LR	17008026	RT-LTS-A-1200µL-/L-768/8	30389233
	RT-L1200S	17006420	RT-LTS-A-1200µL-/S-768/8	30389234
	RT-L1200SLR	17008027	RT-LTS-A-1200µL-/L/S-768/8	30389235
		1700000	RT-LTS-A-2000µL-480/8	30389236
-	RT-L2000	17002926	KI LIO A 2000pL 400/0	00000200
2 mL	RT-L2000 RT-L2000F	17002926	RT-LTS-A-2000µL-/F-480/8	30389237
	RT-L2000F	17002923	RT-LTS-A-2000µL-/F-480/8	30389237

### **Green-Pak Individual Refills**

		Old Name	Old P/N	New Name	New P/N
Universal-Fit Tips	10	GP-10	17002419	GP-UNV-A-10µL-960/10	30389258
	(G)/ 1	GP-10S	17002415	GP-UNV-A-10µL-/S-960/10	30389265
		GP-10F	17002414	GP-UNV-A-10µL-/F-960/10	30389263
	10	GP-10GF	17002416	GP-UNV-A-10µL-/F/G-960/10	30389264
	30/100/200/250	GP-20F	17002422	GP-UNV-A-20µL-/F-960/10	30389267
		GP-100F	17002413	GP-UNV-A-100µL-/F-960/10	30389262
	0/20	GP-200F	17002420	GP-UNV-A-200µL-/F-960/10	30389266
	/100	GP-250	17002409	GP-UNV-A-250µL-960/10	30389268
	30	GP-250S	17002421	GP-UNV-A-250µL-/S-960/10	30389269
		GP-1000	17002412	GP-UNV-A-1000µL-768/8	30389259
	000	GP-1000F	17002410	GP-UNV-A-1000µL-/F-768/8	30389260
	_	GP-1000S	17002411	GP-UNV-A-1000µL-/S-768/8	30389261

		Old Name	Old P/N	New Name	New P/N
LTS LiteTouch Tips		GP-L10	17002424	GP-LTS-A-10µL-960/10	30389270
	읻	GP-L10F	17002429	GP-LTS-A-10µL-/F-960/10	30389274
		GP-L10S	17002430	GP-LTS-A-10µL-/S-960/10	30389275
	ß	GP-L200F	17002428	GP-LTS-A-200µL-/F-960/10	30389276
	200/250	GP-L250	17002425	GP-LTS-A-250µL-960/10	30389277
	3	GP-L250S	17002431	GP-LTS-A-250µL-/S-960/10	30389278
		GP-L1000	17002423	GP-LTS-A-1000µL-768/8	30389271
	000	GP-L1000F	17002426	GP-LTS-A-1000µL-/F-768/8	30389272
		GP-L1000S	17002427	GP-LTS-A-1000µL-/S-768/8	30389273

### Empty Racks for Green-Pak and Green-Pak SpaceSaver\*

Old Name	Old P/N	New Name	New P/N		
GPR-10	17001860	GPR-UNV-A-10µL-0/10	30389350		
GPR-L10	17001865	GPR-LTS-A-10µL-0/10**	30389354		
GPR-250	17001861	GPR-XXX-A-250µL-0/10	30389353		
GPR-L250	17001863	GPR-777-A-230pL-0/10	30369303		
GPR-300	N/A		00007007		
GPR-L300	N/A	GPR-XXX-A-300µL-0/8	30397667		
GPR-1000	17001859		0000051		
GPR-L1000	17001864	GPR-XXX-A-1000µL-0/8	30389351		

\* Please note that the new SpaceSaver product does not come with an extra rack any longer. If this is your first order of BioClean Ultra tips, you will need to purchase empty racks or racked tips in a matching size to start using this refill system.

\*\* This product can be also used with UNV 10  $\mu L$  ShaftGard tips.

		Old Name	Old P/N	New Name	New P/N
Universal-Fit Tips		GPS-10G	17005085	GPS-UNV-A-10µL-/G-960/10	30389283
	9	GPS-10GLR	17014381	GPS-UNV-A-10µL-/G/L-960/10	30389284
	10	GPS-10GS	17005084	GPS-UNV-A-10µL-/G/S-960/10	30389285
		GPS-10GSLR	17014383	GPS-UNV-A-10µL-/G/L/S-960/10	30389286
		GPS-250	17005087	GPS-UNV-A-250µL-960/10	30389287
	250	GPS-250LR	17014385	GPS-UNV-A-250µL-/L-960/10	30389288
		GPS-250S	17005086	GPS-UNV-A-250µL-/S-960/10	30389289
		GPS-250SLR	17014386	GPS-UNV-A-250µL-/L/S-960/10	30389290
	300	GPS-300	New	GPS-UNV-A-300µL-768/8	30397665
	ы	GPS-300S	New	GPS-UNV-A-300µL-/S-768/8	30397666
		GPS-1000	17005083	GPS-UNV-A-1000µL-768/8	30389279
	1000	GPS-1000LR	17014387	GPS-UNV-A-1000µL-/L-768/8	30389280
	2	GPS-1000S	17005082	GPS-UNV-A-1000µL-/S-768/8	30389281
		GPS-1000SLR	17014394	GPS-UNV-A-1000µL-/L/S-768/8	30389282

## Green-Pak SpaceSaver Stacked Refills

		Old Name	Old P/N	New Name	New P/N
		GPS-L10	17005091	GPS-LTS-A-10µL-960/10	30389291
LTS LiteTouch Tips	2	GPS-L10LR	17014307	GPS-LTS-A-10µL-/L-960/10	30389296
	-	GPS-L10S	17005090	GPS-LTS-A-10µL-/S-960/10	30389297
		GPS-L10SLR	17014335	GPS-LTS-A-10µL-/L/S-960/10	30389298
		GPS-L250	17005093	GPS-LTS-A-250µL-960/10	30389299
	20	GPS-L250LR	17014336	GPS-LTS-A-250µL-/L-960/10	30389300
	56	GPS-L250S	17005092	GPS-LTS-A-250µL-/S-960/10	30389301
		GPS-L250SLR	17014337	GPS-LTS-A-250µL-/L/S-960/10	30389302
	300	GPS-L300	17005095	GPS-LTS-A-300µL-768/8	30389303
	ĕ	GPS-L300S	17005094	GPS-LTS-A-300µL-/S-768/8	30389304
		GPS-L1000	17005089	GPS-LTS-A-1000µL-768/8	30389292
	000	GPS-L1000LR	17014338	GPS-LTS-A-1000µL-/L-768/8	30389293
	2	GPS-L1000S	17005088	GPS-LTS-A-1000µL-/S-768/8	30389294
		GPS-L1000SLR	17014339	GPS-LTS-A-1000µL-/L/S-768/8	30389295

# Appendix B Labeling Information and Guide

The Rainin tip labeling scheme follows uniform structure that is consistent across all labeled tip products. With the release of BioClean Ultra and the RT tip box and refills, labels are used on RT, GP, GPS and bulk-bagged tips. Later in 2018, labeling will begin on TerraRack, StableRak and StableStak.



Line	Specification	Example	Font and Size
1	Volume, LTS or UNV, Cleanliness Spec	200 µL UNV BioClean Ultra	ITC Avant Garde Gothic Com: Bold 8 pt
2	Tip Features (see chart below)	Wide-O, LR, Filter, XL	ITC Avant Garde Gothic Com: Book 6.5 pt
3	Sterility information	Sterilized	ITC Avant Garde Gothic Com: Book 6.5 pt
	SAP No. and Batch Detail	PN17014296 Batch 1708, 12345	ITC Avant Garde Gothic Com: Book 6.5 pt

### Line 1

### Volume, LTS or UNV, Cleanliness Spec

Format: Numeric volume [space] Symbol [space] Tip Type [space] Cleanliness

### Example:

Lab Grade	200 µL UNV
BioClean	10 µL LTS BioClean
BioClean Ultra	1000 µL UNV BioClean Ultra

### Line 2 Tip Features

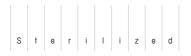
Format: Feature [comma] [space] Feature [comma] [space] Feature [comma] [space]...

Example: When present, "Wide-O" always precedes "LR" in a sequence of features. Likewise, "LR" always precedes "Filter" in a sequence.

Priority in a Sequence	Feature Code	Description		<b>1</b> Gel-Well	<b>2</b> ShaftGard	3 Wide-O	<b>4</b> LR	5 Filter	6 XL
1	Gel-Well	Gel-Well	Wide-O LR Filter			•	•	•	
2	ShaftGard	ShaftGard	ShaftGard LR Filter		•		•	•	
3	Wide-O	Wide Orifice	LR Filter				•	•	
4	LR	Low Retention	Filter XL					•	•
5	Filter	Filter	Gel-Well	•					
6	XL	Extended Length	[no attributes]						

### Line 3 Sterility Information

Racks designated Sterilized are noted on Line 3.



### Line 4 SAP Number and Batch Code

The product SAP number and batch code anchor the label.

Batch Code

February 21, 2017, at 3:22 p.m.

					Space	Ye	ar	We	ek		0000	Day	Но	our	Mir	nute	Mac	hine	
В	a	t	С	h		1	7	0	8	8 ,	В	3	1	5	2	2	1	0	

Day numbers

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7

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