

# >TruTip™

## True On-Demand (Manual) Extraction



### OVERVIEW

Nearly every life science research and molecular diagnostic laboratory requires a rapid means of extracting DNA and/or RNA. TruTip's speed makes it ideal for a variety of challenging environments. TruTip can be used to purify a single sample and get results fast — without spending time setting up for a lengthy spin column extraction. In the field, capitalize on TruTip's portability to run anywhere from one to eight samples at a time by using a Rainin EDP® 3-Plus single or multi-channel pipette. In the lab, use TruTip to extract nucleic acids as they come in, 24 hours a day, seven days a week, taking advantage of the power of true on-demand sample preparation. For samples with water-like viscosity, select TruTip SPT tips; for more viscous samples, select TruTip LPT tips.

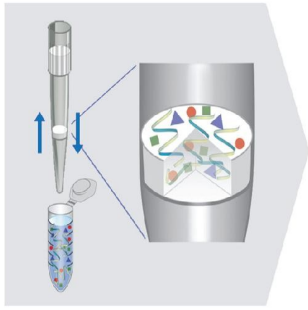
- Faster than all other methods
- Removes inhibitors and contaminants
- Eliminate spin column and centrifugation steps
- Achieve consistent yields equal to industry standards
- Extraction of tougher-to-lyse microbes
- Extraction of gDNA from Blood and Saliva

Microbial DNA and RNA Extraction Using Rainin LTS				Starting Volume		Catalog No.	
Target	Sample Source	Pipette Size	Number of Tips & Type	More Viscous & Higher Volume	Less Viscous & Lower Volume	Standard Kit	Starter Kit*
Microbial DNA from bacteria or viruses**	Culture, urine, etc.	2 mL	60 LPT	250-500µL		300-10601	
			60 SPT		250-500µL	300-10600	
			30 SPT/30 LPT	250-500µL	250-500µL	300-10607	300-10606
		1.2 mL	96 LPT	≤250µL		300-10621	
			96 SPT		≤250µL	300-10620	
			48 SPT/48 LPT	≤250µL	≤250µL	300-10627	300-10626
<i>Mycobacterium</i> DNA**	Culture, sputum, etc.	2 mL	60 FLPT	250-500µL		300-10108	300-10109
Microbial RNA from bacteria or viruses**	Culture, urine, etc.	2 mL	60 LPT	250-500µL		300-10801	
			60 SPT		250-500µL	300-10800	
			30 SPT/30 LPT	250-500µL	250-500µL	300-10807	300-10806
Viral RNA from Influenza A&B and RSV	Nasopharyngeal aspirate & swab	2 mL	60 SPT		≥250µL	300-11100	300-11104
		1 mL	96 LPT <sub>4.0</sub>		≤250µL	300-11118	300-11119
Microbial XT DNA with Beads for tougher-to-lyse Gram (+) bacterial Pathogens** (e.g. <i>Staphylococcus</i> or <i>Streptococcus</i> )	Culture, urine, etc.	2 mL	60 LPT	250-500µL		300-10301	
			60 SPT		250-500µL	300-10300	
			30 SPT/30 LPT	250-500µL	250-500µL	300-10307	300-10306
		1.2 mL	96 LPT	≤250µL		300-10321	
			96 SPT		≤250µL	300-10320	
			48 SPT/48LPT	≤250µL	≤250µL	300-10327	300-10326

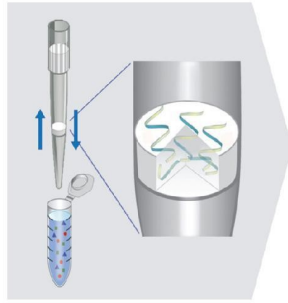
\*Starter Kits for first time buyers contain Rainin's EDP® 3-Plus Pipette.

\*\* For Early Access Customers

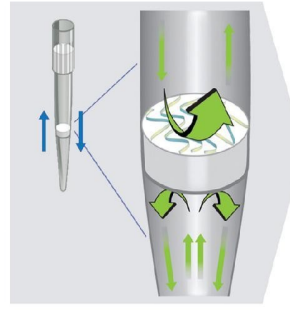
**STEP 1: Bind Acid to Matrix**



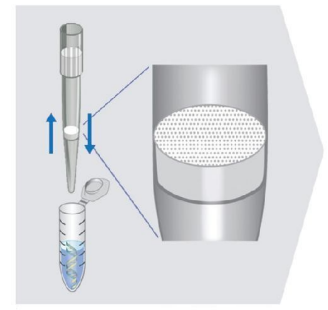
**STEP 2: Wash Away Impurities**



**STEP 3: Air Dry**



**STEP 4: Elute**

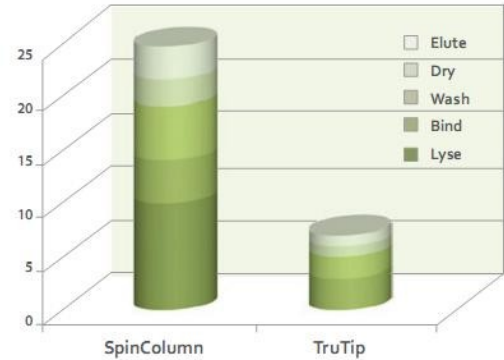


So simple, you'll be done in 4 easy steps!

**LEARN MORE**

To learn more about how TruTip samples preparation will revolutionize the way you extract nucleic acids, visit us at [www.akonni.com](http://www.akonni.com).

**Comparison of *On-Demand* (Manual) Extraction Methods.**  
Time (in minutes) to perform an extraction with TruTip vs. Spin Column methods.



gDNA Extraction Using Rainin LTS				Starting Volume		Catalog No	
Target	Sample Source	Pipette Size	Number of Tips & Type	More Viscous & Higher Volume	Less Viscous & Lower Volume	Standard Kit	Starter Kit*
Genomic DNA (gDNA)	Whole Blood—fresh or frozen with preservative	2 mL	60 LPT	201-400µL		300-20301	300-20305
			60 SPT		100-200µL	300-20300	300-20304
			30 SPT/30 LPT	100-400µL	100-400µL	300-20307	300-20306
		1.2 mL	96 LPT	≤ 100µL		300-20331	300-20335
			96 SPT		≤ 100µL	300-20330	300-20334
			48 SPT/48 LPT	≤ 100µL	≤ 100µL	300-20337	300-20336
	Saliva—collected with Oragene®-DNA Collection Kits	2 mL	60 LPT	≥400µL		300-20401	300-20405
			60 SPT		101-400µL	300-20400	300-20404
			30 SPT/30 LPT	≥400µL	101-400µL	300-20407	300-20406
		1.2 mL	96 SPT		≤ 100µL	300-20430	300-20434

\*Starter Kits for first time buyers contain Rainin's EDP® 3-Plus Pipette.

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