

# DigiTUBEs

## Disposable digestion tubes

DigiTUBEs are disposable digestion tubes suitable for use with commercially available graphite digestion block systems. They are manufactured with ICP-MS Grade Polypropylene and specially designed with a flat bottom to provide more direct contact with the base of digestion block wells, resulting in a faster heat-up time and more efficient sample temperature response times.

Every lot of DigiTUBE digestion tubes receives a Certificate of Volume analysis confirming the product's compliance with Class A Specification according to ASTM E288-10 and ISO 384 per our ISO 17025 accredited procedure.



Additionally, DigiTUBEs are now available with a Trace Metals Certificate, providing verified results for over 65 elements to guarantee ultra-low contamination and the compliance required for critical trace metals analyses.

For clean applications, DigiTUBEs are also available in shrink-wrapped bundles to protect against dust infiltration during storage and handling.

### Key Features

- ▶ Ultra-low leachable metal content to eliminate contamination risk
- ▶ Optional RackLock feature enables one-handed closure of screw caps
- ▶ Class A graduations for easy and accurate dilution
- ▶ Disposable, eliminating the need to clean the vessel
- ▶ Leak-free screw cap available in variety of colors

**Certificate of Volume Analysis**  
analytichem  
your science enabled

1.0 Description: DigiTUBE 50 ml, RackLock  
Catalogue Number: 010-500-253, 010-500-284, 010-500-286, 010-500-284, 010-500-483, 010-500-483  
Starting material: High purity PP (polypropylene) verified by ICP-MS analysis for leachable elements  
Lot Number: 7942  
Volume certification valid until: 30 May 2029

Specification	Reported Value	Combined Uncertainty (k=2)
Volume Line (ml)	Volume (ml, 27°C)	+/- ml
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03
50.00 ± 0.05	50.02	± 0.03

Method of analysis: ICP-MS  
Traceability: NIST SRM 9100a

**Trace Metals Certificate - DigiTUBE**  
analytichem  
your science enabled

polypropylene Digestion Tubes  
based on EPA 200.8 / 203.2  
MS

Analysis Report  
This lot of DigiTUBEs were tested for trace metal background using ICP-MS. Results are presented below. Field results may vary depending on environmental conditions, all techniques, and handling procedures. Proper storage and handling are required to minimize background contamination.

Element	Result (µg/l)	Element	Result (µg/l)	Element	Result (µg/l)	Element	Result (µg/l)
Cu	<0.3	La	<0.3	Pt	<0.3	Te	<0.4
Dy	<0.3	Lu	<0.3	Rb	<0.3	Th	<0.4
Er	<0.3	Mg	<0.4	Rh	<0.3	Ti	<0.4
Eu	<0.3	Mn	<0.4	Ru	<0.3	Tm	<0.4
Fe	<0.3	Mo	<0.4	Sb	<0.3	U	<0.4
Ga	<0.3	Nb	<0.4	Sc	<0.3	V	<0.4
Gd	<0.3	Ni	<0.4	Se	<0.3	W	<0.4
Ge	<0.3	Nm	<0.4	Sm	<0.3	Y	<0.4
Hf	<0.3	Os	<0.4	Sr	<0.3	Yb	<0.4
Hg	<0.3	P	<0.4	Ta	<0.3	Zn	<0.4
Ho	<0.3	Pb	<0.4	Tb	<0.3	Zr	<0.4
In	<0.3	Pd	<0.4				
K	<1						

3.0 Interpretation: The trace metal levels observed are consistent with expected background leaching from polypropylene under mild digestion conditions. These values do not indicate contamination or deviation from product expectations.

*DigiTUBE*s can replace 5 vessels in the lab - digestion beaker, graduated cylinder, volumetric flask, autosampler tube, and storage container. Save time and lower costs with the use of *DigiTUBE*s.

### Bulk *DigiTUBE*s

Description	Quantity	Part Number
15 mL with RackLock, blue caps	1620	010-515-261
15 mL with RackLock, no caps	1620	010-515-262
15 mL without RackLock, blue caps	1620	010-515-263
15 mL without RackLock, no caps	1620	010-515-264
15 mL with RackLock, blue caps	540	010-515-361
15 mL without RackLock, blue caps	540	010-515-363
50 mL with RackLock, blue caps	750	010-500-261
50 mL with RackLock, clear caps	750	010-500-265
50 mL with RackLock, no caps	750	010-500-262
50 mL without RackLock, blue caps	750	010-500-263
50 mL without RackLock, clear caps	750	010-500-266
50 mL without RackLock, no caps	750	010-500-264
100 mL with RackLock, blue caps	300	010-501-261
100 mL with RackLock, no caps	300	010-501-262
100 mL without RackLock, blue caps	300	010-501-263
100 mL without RackLock, no caps	300	010-501-264

### Bulk Caps

Screw Caps for	Description	Quantity	Part Number
15 mL <i>DigiTUBE</i> s	Screw Cap, Blue for 15 mL <i>DigiTUBE</i> s	540	010-515-060
	Screw Cap, Clear for 15 mL <i>DigiTUBE</i> s	540	010-515-172
50 mL <i>DigiTUBE</i> s	Blue Caps for 50 mL <i>DigiTUBE</i> s	250	010-500-060
	Yellow Caps for 50 mL <i>DigiTUBE</i> s	250	010-500-130
	Orange Caps for 50 mL <i>DigiTUBE</i> s	250	010-500-140
	Red Caps for 50 mL <i>DigiTUBE</i> s	250	010-500-150
	Clear Caps for 50 mL <i>DigiTUBE</i> s	250	010-500-172
100 mL <i>DigiTUBE</i> s	Blue Caps for 100 mL <i>DigiTUBE</i> s	100	010-501-060
	Clear Caps for 100 mL <i>DigiTUBE</i> s	100	010-501-172

## HandyPAKs

**HandyPAKs** include multiple racks of *DigiTUBE*s (50 mL or 100 mL), shrink wrapped to eliminate contamination during storage or transport. Caps are provided in a separate bag. The **HandyPAK Plus** option contains pre-capped *DigiTUBE*s.

	Description	Quantity	Part Number
<b>HandyPAK</b>	50 mL <i>DigiTUBE</i> s with RackLock, blue caps	30 x 25 tubes	010-500-362
	50 mL <i>DigiTUBE</i> s without RackLock, blue caps	30 x 25 tubes	010-500-364
	50 mL <i>DigiTUBE</i> s with RackLock, clear caps	30 x 25 tubes	010-500-366
	100 mL <i>DigiTUBE</i> s with RackLock, blue caps	9 x 34 tubes	010-501-362
	100 mL <i>DigiTUBE</i> s without RackLock, blue caps	9 X 34 tubes	010-501-364
<b>HandyPAK Plus</b>	50 mL <i>DigiTUBE</i> s with RackLock, blue caps	20 x 24 tubes	010-500-461
	50 mL <i>DigiTUBE</i> s without RackLock, blue caps	20 x 24 tubes	010-500-463
	100 mL <i>DigiTUBE</i> s with RackLock, blue caps	24 x 12 tubes	010-501-462
	100 mL <i>DigiTUBE</i> s without RackLock, blue caps	24 x 12 tubes	010-501-464
<b>HandySleeve</b>	50mL <i>DigiTUBE</i> s without RackLock, blue cap	30 x 25 tubes	010-500-563
	50mL <i>DigiTUBE</i> s without RackLock, clear cap	30 x 25 tubes	010-500-564
	50mL <i>DigiTUBE</i> s without RackLock, red cap	30 x 25 tubes	010-500-565
	50mL <i>DigiTUBE</i> s with RackLock, blue cap	30 x 25 tubes	010-500-561
	50mL <i>DigiTUBE</i> s with RackLock, clear cap	30 x 25 tubes	010-500-562
	100mL <i>DigiTUBE</i> s without RackLock, blue cap	30x10 tubes	010-501-563
	100mL <i>DigiTUBE</i> s without RackLock, clear cap	30x10 tubes	010-501-564
	100mL <i>DigiTUBE</i> s with RackLock, blue cap	30x10 tubes	010-501-561
	100mL <i>DigiTUBE</i> s with RackLock, clear cap	30x10 tubes	010-501-562



## Disposable Watch Glasses

Description	Quantity	Part Number
Disposable Polypropylene Watch Glasses, 50 mL	1000	010-500-081
Disposable Polypropylene Watch Glasses, 100 mL	500	010-501-081

Promote refluxing or protect your samples from environmental contamination during digestions with our high-quality, disposable watch glasses. These products are available to pair with 50 mL or 100 mL disposable *DigiTUBE*s. Our watch glasses are manufactured using virgin polypropylene and designed for easy handling.

Each watch glass is equipped with a ribbed step to keep it securely in place during use and a handle to make placement and removal easier while also preventing cross-contamination during use.



## Storage Racks

Description	Quantity	Part Number
Plastic Storage Racks for 50 mL <i>DigiTUBE</i> s	5	010-500-026
Foam Storage Racks for 100 mL <i>DigiTUBE</i> s	5	010-501-028

