

Precisely What You Need.

Thermo
SCIENTIFIC

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*Contact information contained within
this document may be incorrect.



Yesterday, today and tomorrow

Why Samco Scientific has consistently been the leading producer of transfer pipets for over 35 years...

Design

- Grips easily with latex gloves – no slipping
- Clear graduated markings
- Fine tip accuracy
- Packaging materials greatly reduce airborne mold spores from entering testing areas

Repeatable Results

- Inert, nontoxic Polyethylene
- Safe, residue-free product that does not interfere with testing data

Confidence

- Expert craftsmanship produces largest variety of fine tip pipets in the industry
- Precision-cut tips deliver a uniform drop size every time
- Proprietary controlled processes produce a uniform bulb with uncompromised integrity

FDA, QSR (cGMP) and ISO-9001:2000 registered



LIFE SCIENCE APPLICATIONS

Top 8 Pipets: 6, 13, 15, 20, 23, 24, 25, 26, 27

PROCEDURES PIPETS

Cells in Flasks and Tubes – large volume, long pipets

subculturing, harvesting, sampling 15, 50, 100 mL tubes and flasks	26, 27
remove supernatant and media from cell cultures	26, 27
wash cells	26, 27
post-centrifugation to remove all cell layers	26, 27

Isolating cells – large aperture pipet

prevent cells from getting stripped when removed or transferred	6, 20
triturate cells	6, 20
isolate platelets from blood and wash	6, 20

Technique Control – narrow stem and fine tips

loading gets	13, 15, 23, 24
PCR work	13, 15, 23, 24
DNA sample removal	13, 15, 23, 24
feed hybridomas	13, 15, 23, 24
protein assays	13, 15, 23, 24
lipid extractions	13, 15, 23, 24
atomic absorption spectroscopy-reagent prep	13, 15, 23, 24
dropwise additions to culture plates	13, 15, 23, 24

Eliminate Steps – large bulb, narrow stem Sedi-Pet®

reaction chamber	23
storage ampule	23
portable aliquoting	23
Pre-mix, collect, heat-seal, freeze, store, or incubate and dispense:	23
• reagents buffer solutions	
• protozoa, nematode larvae, marine eggs, seeds	
• anti-serum urine	

Application Guide

INDUSTRIAL RESEARCH AND TESTING

Top 12 Pipets: 3, 7, 9, 10, 11, 13, 14, 15, 25, 26, 27

PROCEDURES PIPETS

Chromatography

Sample preparation for: LC, GC, HPLC, TLC

• using 1 mL auto-sampler vials	13, 14, 24
• using 2mL auto-sampler vials	9, 15

layering in columns / transfers in columns	26, 27
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loading gels	13
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Viscous liquid samples and transfers

cremes	6, 20
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oils	6, 20
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perfumes	6, 20
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beverages	6, 20
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industrial slurries	6, 20
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paints	6, 20
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food	6, 20
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Field Testing

water sampling	24, 27
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pre-filled with KCL and buffers	24, 27
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pH Meter Maintenance

adding acids or bases	7
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remove and replace electrode fill solutions	11
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Spectrophotometry Cuvettes

Reaches bottom of semi-microcuvettes; will not scratch expensive glass or quartz cells	25
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Reagent Handling

portable ampule	24, 25
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spreading and mixing	3
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slide tests	10, 19
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CLINICAL APPLICATIONS

Top 10 Pipets: 5, 6, 10, 11, 14, 18, 19, 20, 24, 25, 26, 27

PROCEDURES PIPETS

Blood Banking

rapid transfers (3.5 cc's in one squeeze)	4, 5, 10
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narrow barrel fits tubes and donor bag tubing	4, 5, 10
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controlled drop size	4, 5, 10
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calibrated transfers	4, 5, 10
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Remove, Dispense Small Volumes

remove and separate serum and blood	11, 14 and other fine tips
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dispense small drops - pediatric samples - load hemocytometers	11, 14 and other fine tips
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Transfer in and out of multi-well plates	11, 14 and other fine tips
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Sedimentation and Storage

blood sedimentation	22, 24
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access to Wintrobe tubes	24
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fill, heat-seal and store or aliquot reagents, anti-serum, urine, etc.	25
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Bottle Sampling

blood culture bottles	26, 27
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Slides

smear blood samples	18, 19, 20
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mix and spread reagents	18, 19, 20
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Funnels / Filters / Scoops

cut bulb in half and insert filter	6
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cut bulb at angle for scoop	6
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Product Specs Inside



Samco Scientific

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9"

8"

7"

6"

5"

4"

3"

2"

1"

1

2

3

4

5

6

7

8

9

10

11

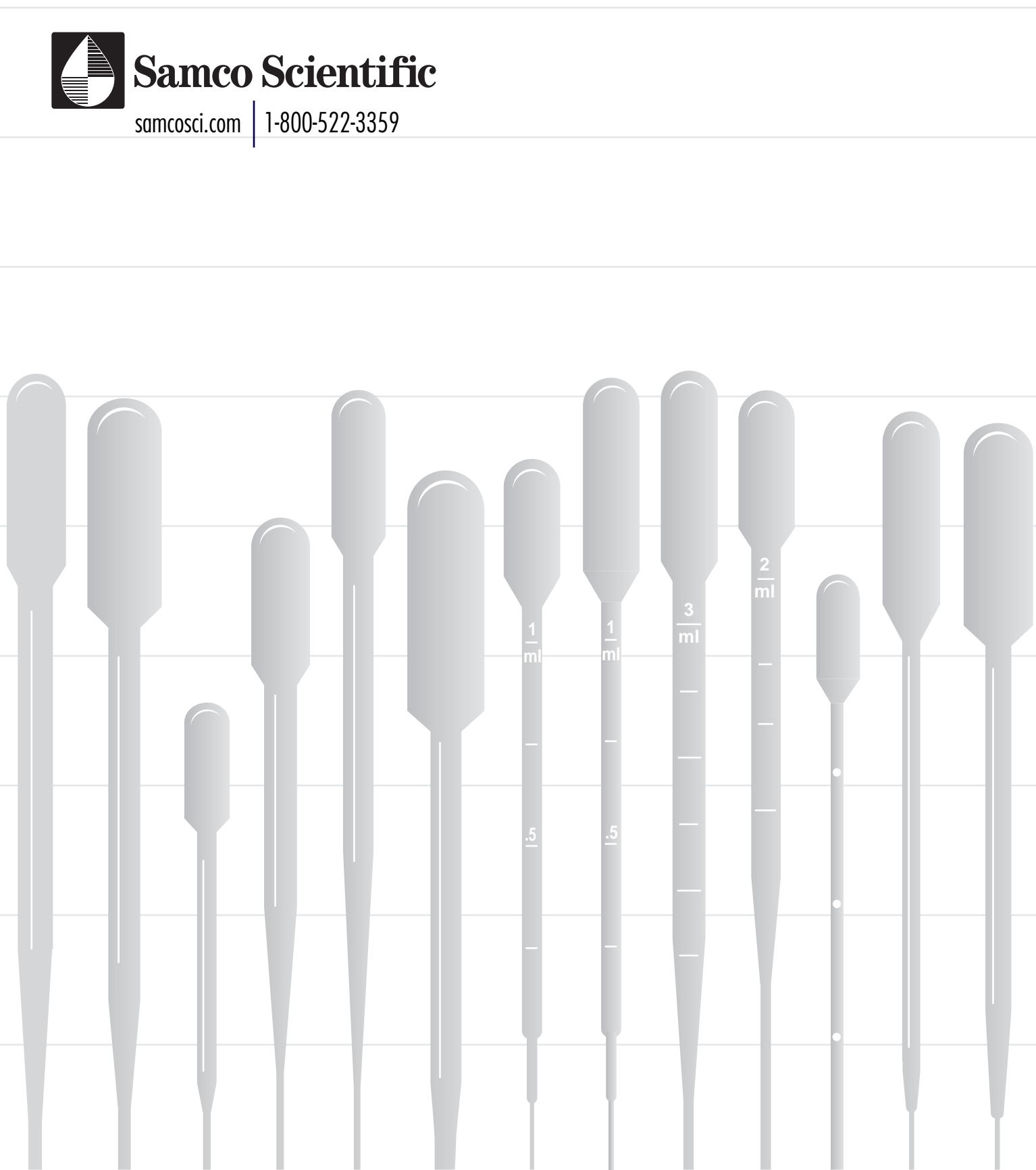
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General Purpose

Graduated

Fine Tip



Exact Volume

28

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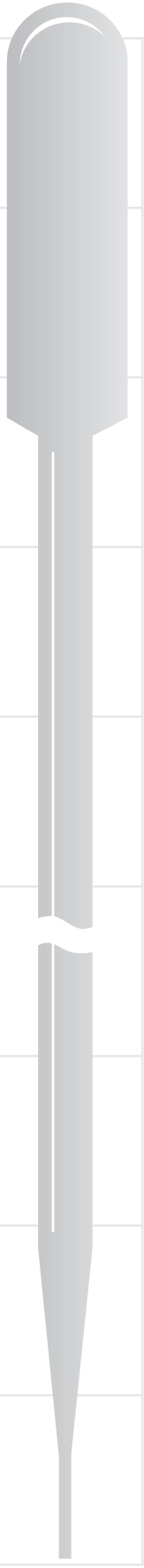
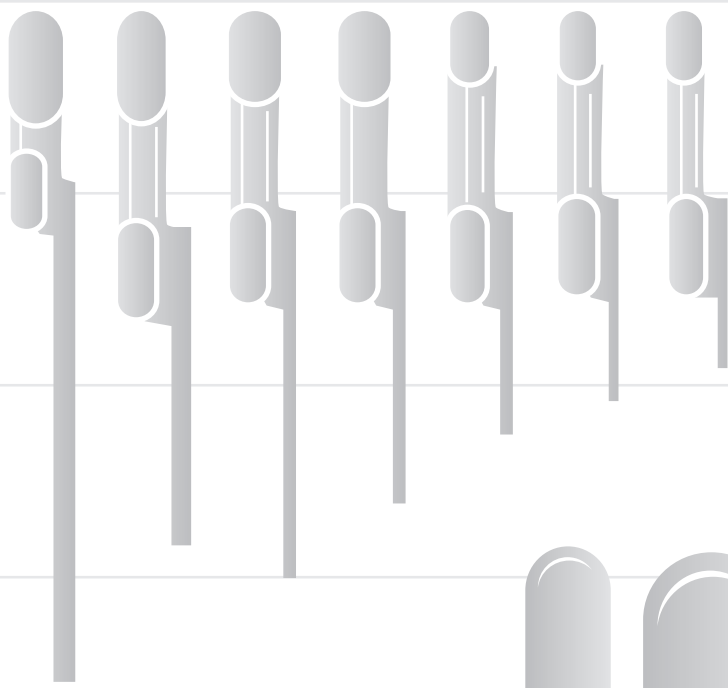
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Special Purpose

Narrow Stem

Extra Long

Product Specifications

General Purpose

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
1	202	General Purpose Standard	15.6 cm	7.9 mm	7.7 mL	3.2 mL	20	500	5,000	202-1S	202-20S
2	204	General Purpose Large Bulb	15.1 cm	6.1 mm	8.0 mL	4.6 mL	20	400	4,000	204-1S	204-20S
3	273	General Purpose 3"	8.7 cm	4.8 mm	1.7 mL	0.9 mL	25	500	4,000	273-1S	273-20S
4	335	5" B/B-Per® (Blood Bank)	12.9 cm	6.6 mm	4.0 mL	1.9 mL	25	400	4,000	335-1S	335-20S
5	336	6" B/B-Per® (Blood Bank)	15.4 cm	6.6 mm	5.0 mL	1.9 mL	23	500	5,000	336-1S	336-20S
6	691	62 µL Large Aperture Pipet	13.7 cm	6.1 mm	9.3 mL	4.8 mL	—	250	2,500	691-1S	691-20S

Graduated

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
7	212	Graduated 1 mL Small Bulb	14.0 cm	4.7 mm	3.9 mL	2.2 mL	25	500	5,000	212-1S	212-20S
8	222	Graduated 1 mL Large Bulb	15.5 cm	4.6 mm	5.8 mL	3.4 mL	25	500	5,000	222-1S	222-20S
9	225	Graduated 3 mL Large Bulb	15.5 cm	7.9 mm	7.5 mL	3.2 mL	20	500	5,000	225-1S	225-20S
10	274	Graduated 2 mL (Blood Bank)	15.2 cm	7.1 mm	4.8 mL	1.8 mL	24	500	5,000	274-1S	274-20S
11	282	Graduated 0.3 mL (Pediatric)	11.6 cm	3.0 mm	1.5 mL	0.8 mL	21	500	4,000	282-1S	282-20S

Fine Tip

Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual	20's
12	232	Fine Tip Standard	14.7 cm	4.6 mm	5.8 mL	3.3 mL	55	500	5,000	232-1S	232-20S
13	234	Fine Tip Large Bulb	14.7 cm	6.1 mm	8.7 mL	4.8 mL	45	400	4,000	234-1S	234-20S
14	231	Extended Fine Tip Small Bulb	10.4 cm	3.0 mm	1.5 mL	1.0 mL	50	400	3,200	231-1S	231-20S
15	233	Extended Fine Tip Large Bulb	15.3 cm	3.0 mm	5.0 mL	3.3 mL	50	250	2,000	233-1S	233-20S
16	235	Extended Fine Tip Standard	15.7 cm	4.6 mm	5.8 mL	3.5 mL	50	500	5,000	235-1S	235-20S
17	243	Fine Tip Small	5.1 cm	1.19 mm	1.3 mL	1.0 mL	45	500	4,000	—	—

Custom design options available to meet your exact specifications

Special Purpose



Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual 20's	
18	292	Padl-Pet® 25 µl Drop Size	13.1 cm	3.8 mm	1.0 mL	0.2 mL	—	500	4,000	—	
19	293	Padl-Pet® 30 µl Drop Size	13.1 cm	3.8 mm	1.0 mL	0.2 mL	—	500	4,000	—	
20	295	Padl-Pet® 50 µl Drop Size	12.4 cm	3.6 mm	0.8 mL	0.2 mL	—	500	4,000	—	

Narrow Stem



Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual 20's	
21	241	SEDI-PET® Short Stem	6.4 cm	2.5 mm	1.2 mL	0.9 mL	25	500	4,000	241-1S	241-20S
22	242	SEDI-PET® Short Stem Large Bulb	8.5 cm	2.5 mm	4.0 mL	3.0 mL	25	500	5,000	242-1S	242-20S
23	251	SEDI-PET® Standard	15.5 cm	2.5 mm	4.6 mL	3.3 mL	25	500	5,000	251-1S	251-20S
24	252	SEDI-PET® Large Bulb	15.5 cm	3.0 mm	15.0 mL	8.0 mL	19	250	2,500	252-1S	252-20S
25	694	Q-Pet™ Transfer Pipet	15.5 cm	8.0 mm	6.7 mL	3.0 mL	—	500	5,000	694-1S	694-20S

Extra Long



Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Overall Capacity	Bulb Draw	Drops per mL	Quantity Per Pack	Quantity Per Case	Sterile Pipets Individual 20's	
26	262	Extra Long 9"	22.5 cm	5.0 mm	6.0 mL	2.3 mL	25	400	4,000	262-1S	262-20S
27	263	Extra Long 12"	30.0 cm	8.6 mm	23.0 mL	7.3 mL	20	100	1,000	263-1S	263-20S

Exact Volume



Key#	Samco Catalog#	Product Description	Length	Stem Diameter	Dispense Volume	Quantity Per Pack	Quantity Per Case
28	191	Exact Volume	10.19 cm	3.0 mm	250 µL	500	5,000
29	788	Exact Volume	7.95 cm	3.0 mm	150 µL	500	5,000
30	787	Exact Volume	8.30 cm	2.5 mm	100 µL	500	5,000
31	786	Exact Volume	7.49 cm	2.5 mm	80 µL	500	5,000
32	785	Exact Volume	6.48 cm	2.5 mm	60 µL	500	5,000
33	784	Exact Volume	5.92 cm	2.3 mm	40 µL	500	5,000
34	783	Exact Volume	5.28 cm	2.0 mm	20 µL	500	5,000

Yesterday, today and tomorrow...



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