

## LABORHITS

# SAMCO Transfer Pipettes



**FOR LIFE SCIENCE APPLICATIONS**

**CLINICAL APPLICATIONS**

**INDUSTRIAL AND  
RESEARCH**

Thermo Scientific™ Samco™ transfer pipettes have been the industry leaders for over 35 years.

#### **Repeatable Results**

- Inert, nontoxic Polyethylene
- Manufactured without mold release agents that could interfere with test results

#### **Confidence**

- State of the art tool room produces largest variety of Transfer pipettes in the industry
- Precision-cut tips deliver a uniform drop size
- Controlled processes produce a uniform bulb with uncompromised integrity
- Certified ISO 13485:2003

#### **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

## LIFE SCIENCE APPLICATIONS

**Top 9 Pipettes:**  
5, 12, 14, 19, 23, 24, 25, 26, 27

### **Cells in Flasks and Tubes – large volume, long pipettes**

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

### **Zellisolierung – Pipette mit großer Öffnung**

prevent cells from getting stripped when removed or transferred	5, 6, 19, 20
triturate cells	5, 6, 19, 20
isolate platelets from blood and wash	5, 6, 19, 20

### **Technique Control – narrow stem, exact volume and fine tips**

loading gels	12, 14, 23, 24, 27a thru 34
PCR work	12, 14, 23, 24
DNA sample removal	12, 14, 23, 24
feed hybridomas	12, 14, 23, 24, 27a thru 34
protein assays	12, 14, 23, 24, 27a thru 34
lipid extractions	12, 14, 23, 24, 27a thru 34
atomic absorption spectroscopy-reagent prep	12, 14, 23, 24, 27a thru 34
dropwise additions to culture plates	12, 14, 23, 24

### **Eliminate Steps – large bulb, narrow stem Sedi-Pet**

reaction chamber	10a, 23, 24, 25
storage ampule	10a, 23, 24, 25
portable aliquoting	10a, 23, 24, 25
pre-mix, collect, heat-seal, freeze, store, or incubate and dispense:	10a, 23, 24, 25
• reagents buffer solutions	
• protozoa, nematode larvae, marine eggs, seeds	
• anti-serum urine	

## INDUSTRIAL, RESEARCH AND TESTING

**Top 13 Pipettes:**  
3, 7, 9, 10, 10a, 11, 12, 13, 14, 20, 25, 26, 27

### **Chromatography**

sample preparation for: LC, GC, HPLC, TLC using 1 mL auto-sampler vials	7, 8, 12, 13, 14, 15, 24
using 2mL auto-sampler vials	9, 14
layering in columns / transfers in columns	26, 27
loading gels	12, 15

### **Viscous liquid samples and transfers**

creams	5, 6, 19, 20
oils	5, 6, 19, 20
perfumes	5, 19, 20
beverages	5, 6, 19, 20
industrial slurries	5, 6, 19, 20
paints	5, 6, 19, 20
food	5, 6, 19, 20

### **Field Testing**

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

### **pH Meter Maintenance**

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

### **Spektrophotometrie-Küvetten**

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

portable ampule	24, 25
spreading and mixing	17, 18, 19
slide tests	9, 10, 10a, 11, 18

# Application Guide

## CLINICAL APPLICATIONS

### Top 13 Pipettes:

4, 5, 10, 10a, 11, 13, 17, 18, 19, 24, 25, 26, 27

#### **Blood Banking**

rapid transfers (3.5 cc's in one squeeze)	2a, 2b, 3a, 4, 6, 10, 10a
narrow barrel fits tubes and donor bag tubing	2a, 2b, 3a, 4, 6, 10, 10a
controlled drop size	4, 10
calibrated transfers	4, 10

#### **Remove, Dispense Small Volumes**

remove and separate serum and blood	11, 13 and other fine tips
dispense small drops - pediatric samples - load hemocytometers	11, 13 and other fine tips
transfer in and out of multi-well plates	11, 13 and other fine tips

#### **Sedimentation and Storage**

sedimentation	22, 24
access to Wintrobe tubes	24
fill, heat-seal and store or aliquot reagents, anti-serum, urine, etc.	2, 3a, 9, 10a, 20, 24, 25

#### **Bottle Sampling**

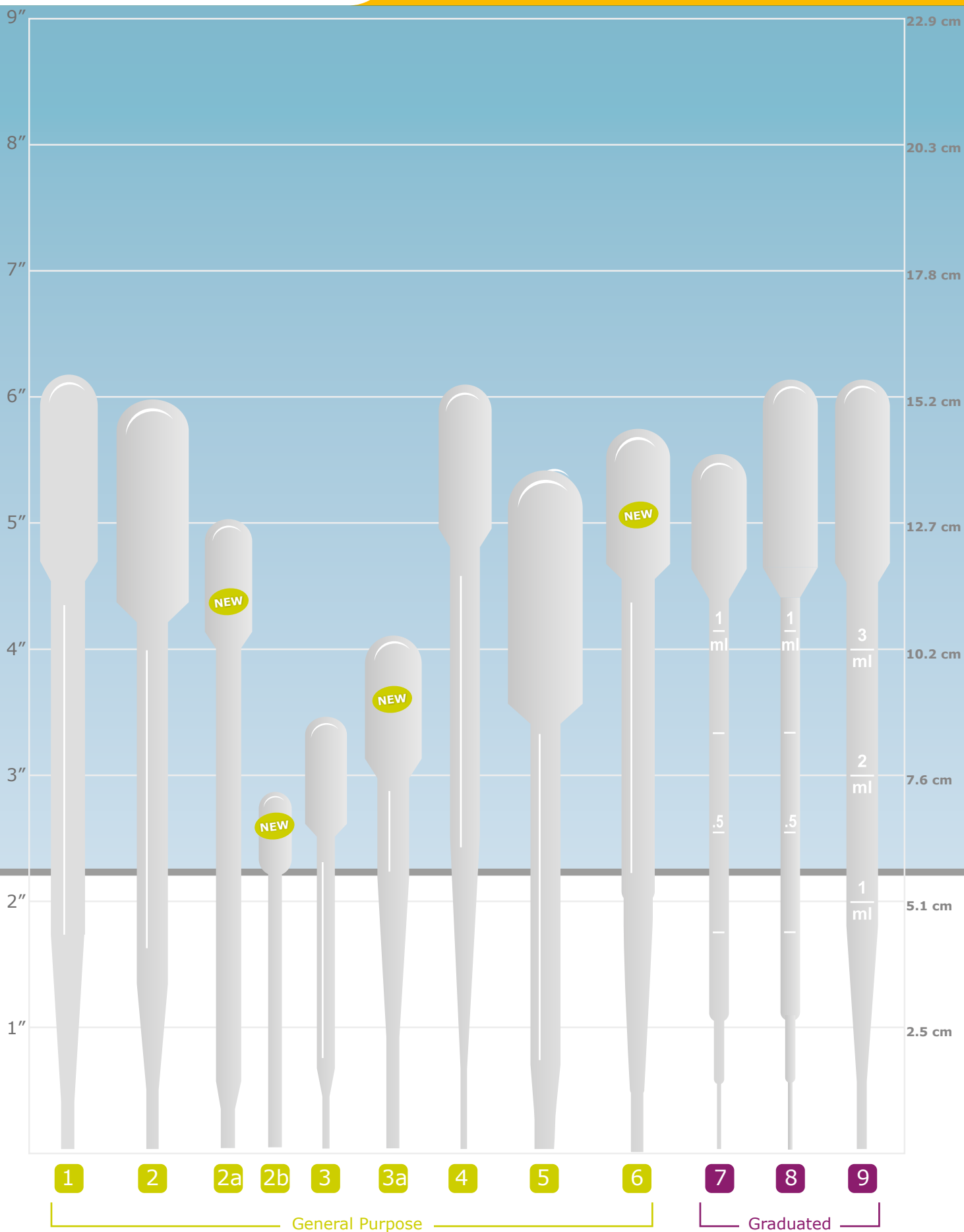
culture bottles	26, 27
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#### **Slides**

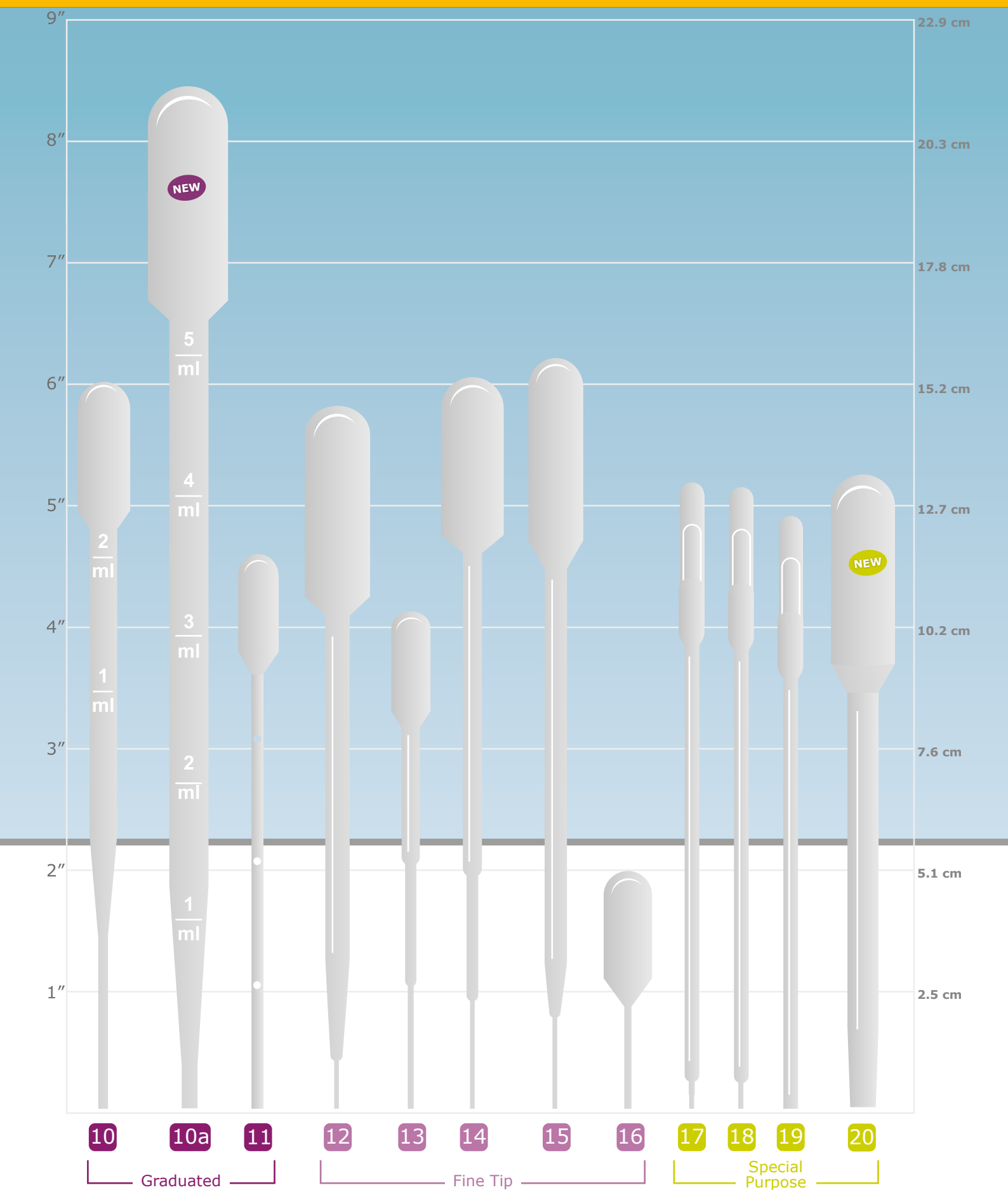
smear samples	17, 18, 19
mix and spread reagents	17, 18, 19

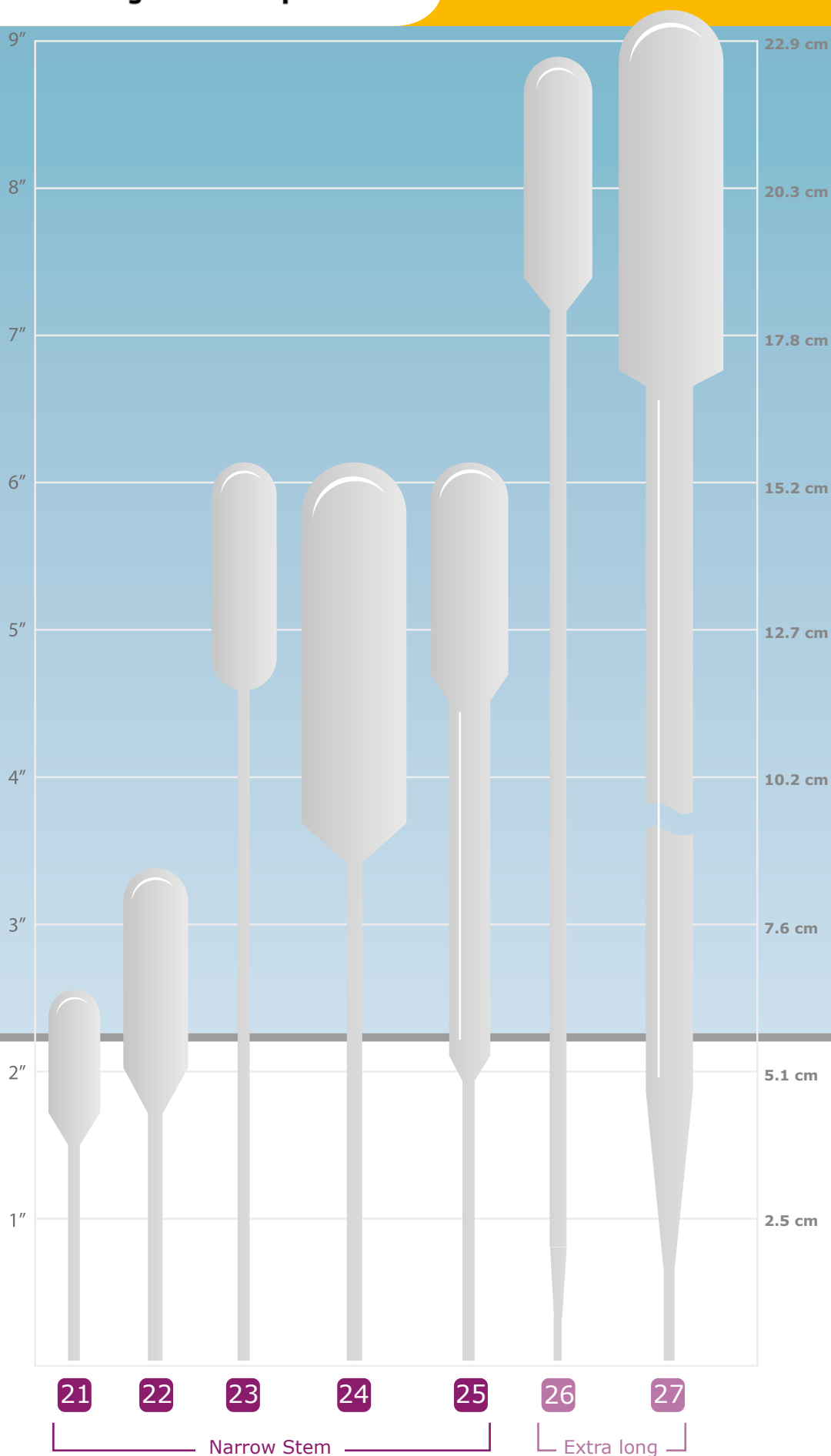
#### **Funnels / Filters / Scoops**

cut bulb in half and insert filter	5, 20
cut bulb at angle for scoop	5, 20



# Pipette Selection Chart





General Purpose and Thermo Scientific™ B/B Pet™ Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
1	General Purpose Standard	15.6	7.9	7.7	3.0	21	500	4.653 952
2	General Purpose Large Bulb	15.1	6.1	8.6	4.7	21	400	4.653 958
2a	General Purpose, Small Bulb	12.7	2.5	13.7	7.4	24	500	4.654 070
2b	General Extra Small Bulb	7.2	3.3	0.6	0.3	X	500	4.654 058
3	General Purpose 3"	8.7	4.8	1.8	0.9	26	500	4.654 047
3a	General Purpose, 4" B/B Pet (Blood Bank)	10.3	2.5	3.1	2.2	22	400	4.654 071
4	6" B/B Pet (Blood Bank)	15.4	6.6	4.9	1.8	24	500	4.654 076
5	62 µL Large Aperture Pipette	13.7	6.1	9.5	6.2	20	250	4.654 083
6	General Purpose, Beral	14.5	2.8	5.5	2.4	22	500	4.654 107

Graduated Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
7	Graduated 1 mL Small Bulb	14.0	4.7	3.9	2.1	25	500	4.653 964
8	Graduated 1 mL Large Bulb	15.5	4.6	5.8	3.5	25	500	4.653 969
9	Graduated 3 mL Large Bulb	15.5	7.9	7.7	3.2	21	500	4.653 977
10	Graduated 2 mL (Blood Bank)	15.2	7.1	4.6	1.8	25	500	4.654 052
10a	Graduated 5mL Large Bulb	21.7	3.0	13.7	7.4	19	250	4.654 093
11	Graduated 0.3 mL (Pediatric)	11.6	3.0	1.5	0.8	22	500	4.654 059

Fine Tip Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
12	Fine Tip Large Bulb	14.7	6.1	8.9	4.8	45	400	4.654 002
13	Extended Fine Tip Small Bulb	10.4	3.0	1.7	1.0	21	400	4.653 983
14	Extended Fine Tip Large Bulb	15.3	3.0	5.4	3.1	50	250	4.653 996
15	Extended Fine Tip Standard	15.7	4.6	5.8	3.7	50	500	4.654 008
16	Fine Tip Small	5.1	1.2	1.6	1.0	34	500	4.654 022

Special Purpose Thermo Scientific™ Padl-Pet™ Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
17	Padl-Pet 25 µl Drop Size	13.1	3.8	1.0	0.2	—	500	4.654 065
18	Padl-Pet 30 µl Drop Size	13.0	3.8	1.0	0.2	—	500	4.654 067
19	Padl-Pet 50 µl Drop Size	12.4	3.6	0.8	0.2	—	500	4.654 069
20	Samco Slurry Transfer Pipette	13.2	5.1	7.5	3.3	13	450	4.658 701

Narrow Stem Thermo Scientific™ SEDI-PET™ and Q-Pet™ Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
21	SEDI-PET Short Stem	6.4	2.5	1.3	0.8	26	500	4.654 013
22	SEDI-PET Short Stem Large Bulb	8.5	2.5	4.3	3.1	24	500	4.654 016
23	SEDI-PET Standard	15.5	2.5	4.5	3.3	26	500	4.654 024
24	SEDI-PET Large Bulb	15.5	3.0	15.3	11.6	19	250	4.654 028
25	Q-Pet Transfer Pipette	15.5	8.0	6.9	3.2	31	500	4.654 089

Extra Long Pipettes

Key	Product Description	Length (cm)	Stem Diameter (mm)	Overall Capacity (ml)	Bulb Draw (ml)	Drops per ml	PK	Cat.No.
26	Extra Long 9 "	22.5	5.0	5.6	2.3	25	400	4.654 033
27	Extra Long 12 "	30.0	8.6	24.1	10.7	20	100	4.654 041

# LABORHITS

## Exact Volume\* Pipette

- Polyethylene
- Useful for small samples or dispensing reagents
- Ideal for home and POCT testing
- Useful in clinical laboratories
- OEM applications
- Custom design options available to meet your exact specifications

Key	Product Description	Length (cm)	Stem Diameter (mm)	Dispense Volume (µl)	PK	Cat.No.
27a	Exact Volume*	10.6	3.8	400	500	4.654 106
28	Exact Volume*	10.2	3.0	250	500	4.653 951
28a	Exact Volume*	8.89	3.0	200	500	4.654 104
28b	Exact Volume*	9.5	3.6	300	500	4.654 105
29	Exact Volume*	8.0	3.0	150	500	4.654 101
30	Exact Volume*	8.3	2.5	100	500	4.654 100
31	Exact Volume*	7.5	2.5	80	500	4.654 099
32	Exact Volume*	6.5	2.5	60	500	4.654 098
32a	Exact Volume*	5.9	2.5	50	500	4.654 103
33	Exact Volume*	5.9	2.3	40	500	4.654 097
34	Exact Volume*	5.3	2.0	20	500	4.654 096

\*Note: Exact Volume is the name of this group of transfer pipettes. These conveniently dispense a precise volume within a tolerance.

