



# 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**

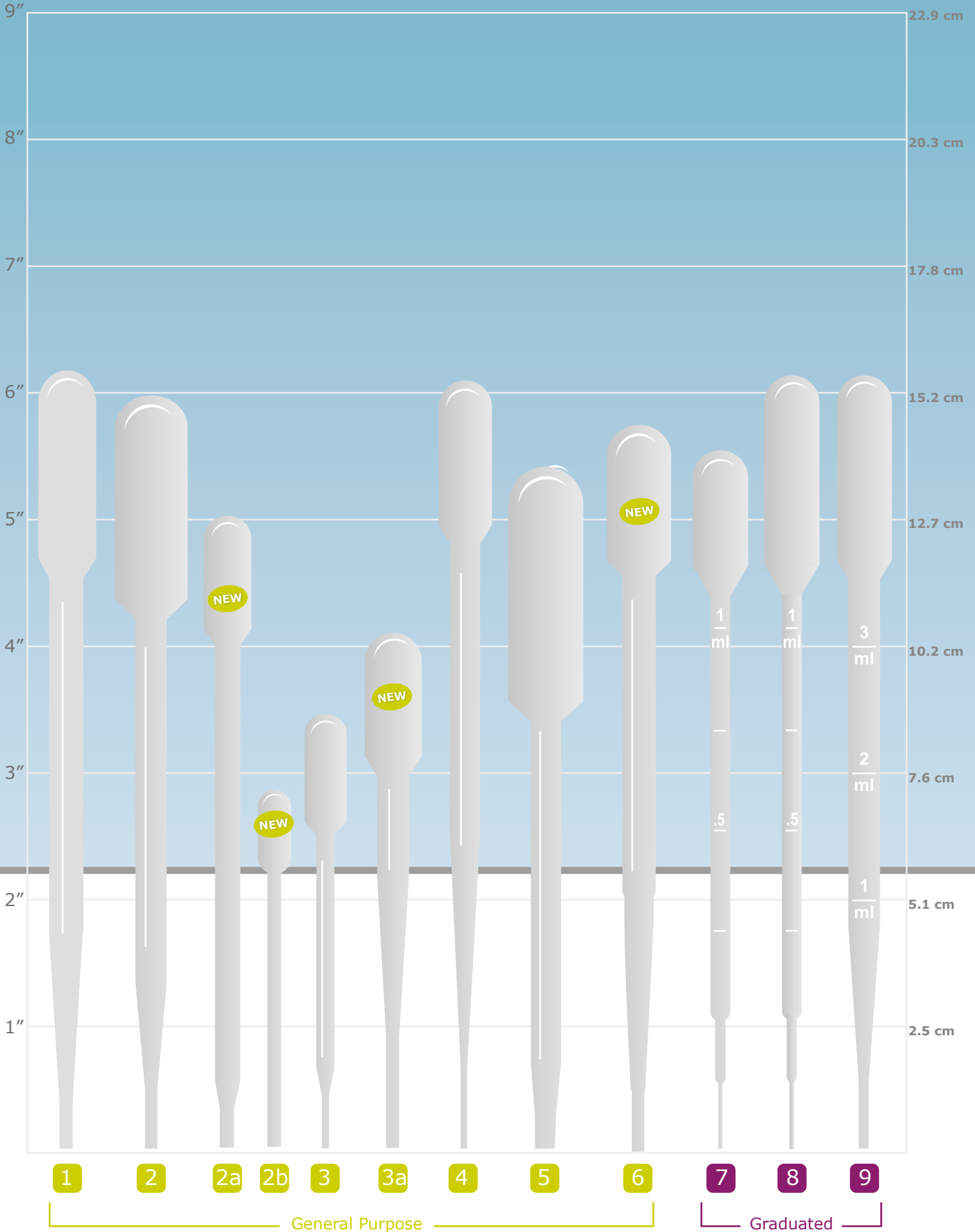
cut bulb in half and insert filter	5, 20
cut bulb at angle for scoop	5, 20



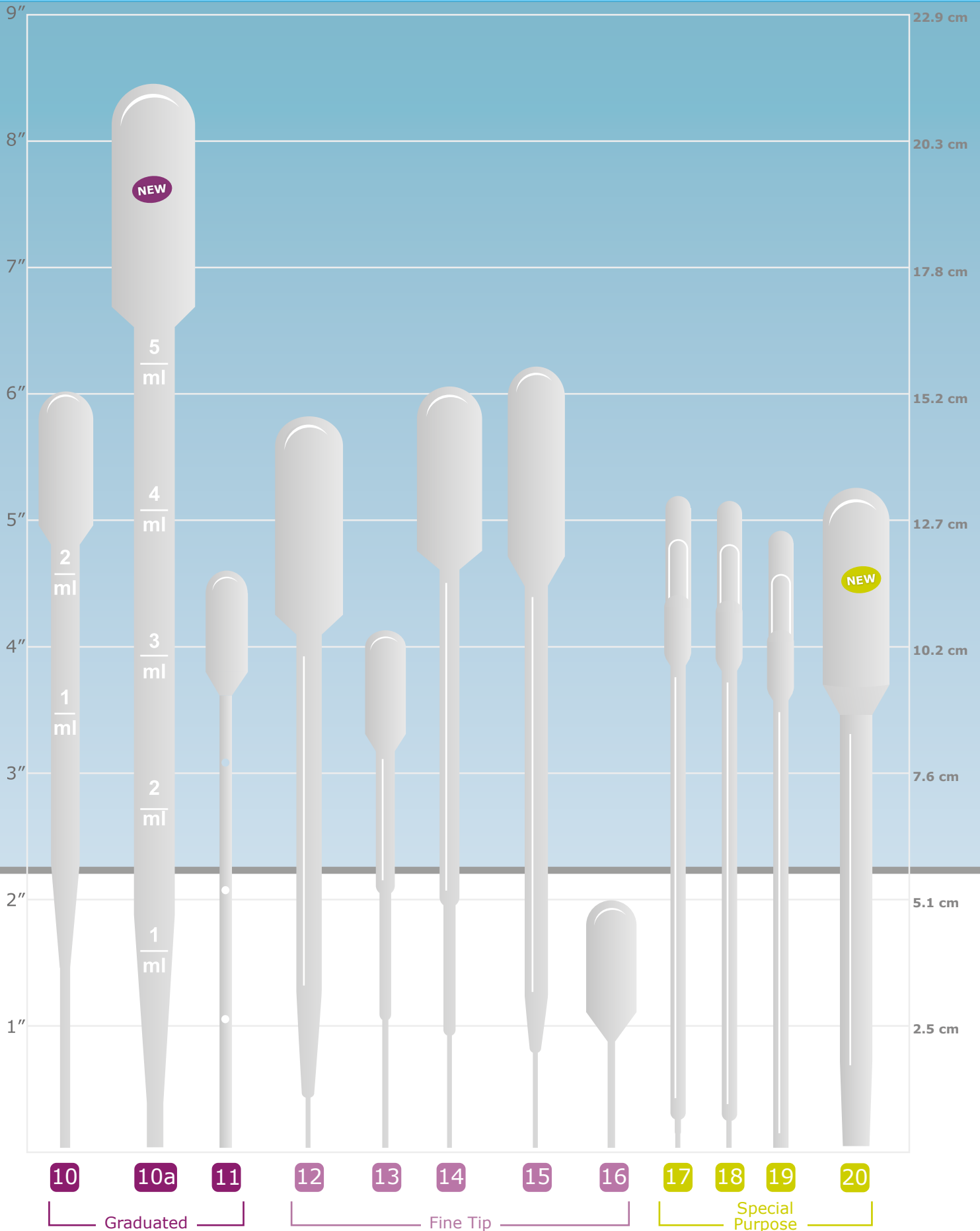


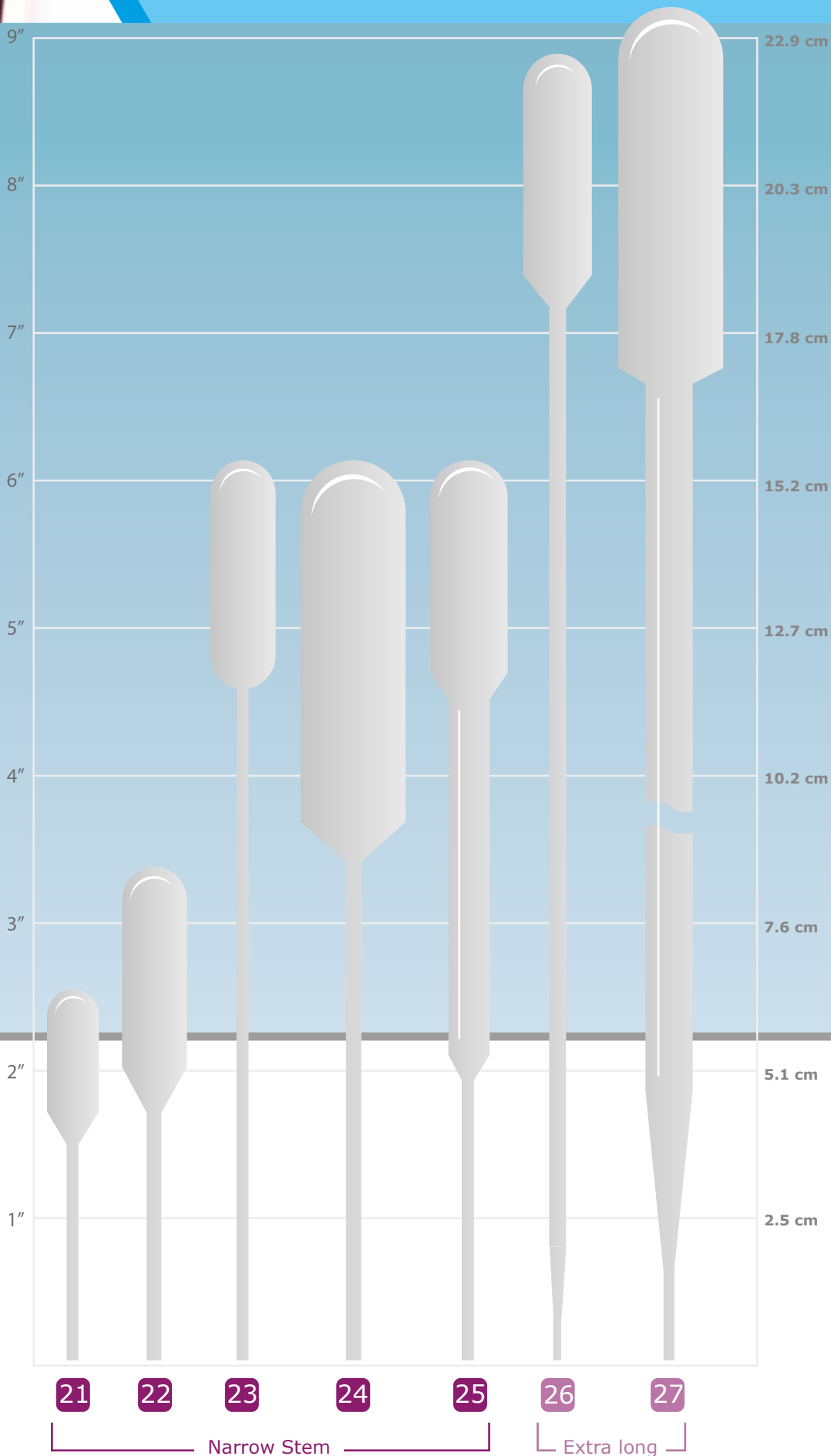
Lab Unlimited  
CARL STUART GROUP

Thermo  
SCIENTIFIC



# 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.
<b>1</b>	General Purpose Standard	15.6	7.9	7.7	3.0	21	500	<b>4.653 952</b>
<b>2</b>	General Purpose Large Bulb	15.1	6.1	8.6	4.7	21	400	<b>4.653 958</b>
<b>2a</b>	General Purpose, Small Bulb	12.7	2.5	13.7	7.4	24	500	<b>4.654 070</b>
<b>2b</b>	General Extra Small Bulb	7.2	3.3	0.6	0.3	X	500	<b>4.654 058</b>
<b>3</b>	General Purpose 3"	8.7	4.8	1.8	0.9	26	500	<b>4.654 047</b>
<b>3a</b>	General Purpose, 4" B/B Pet (Blood Bank)	10.3	2.5	3.1	2.2	22	400	<b>4.654 071</b>
<b>4</b>	6" B/B Pet (Blood Bank)	15.4	6.6	4.9	1.8	24	500	<b>4.654 076</b>
<b>5</b>	62 µL Large Aperture Pipette	13.7	6.1	9.5	6.2	20	250	<b>4.654 083</b>
<b>6</b>	General Purpose, Beral	14.5	2.8	5.5	2.4	22	500	<b>4.654 107</b>

## Graduated Pipettes

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

## Fine Tip Pipettes

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

## 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.
<b>17</b>	Padl-Pet 25 µL Drop Size	13.1	3.8	1.0	0.2	—	500	<b>4.654 065</b>
<b>18</b>	Padl-Pet 30 µL Drop Size	13.0	3.8	1.0	0.2	—	500	<b>4.654 067</b>
<b>19</b>	Padl-Pet 50 µL Drop Size	12.4	3.6	0.8	0.2	—	500	<b>4.654 069</b>
<b>20</b>	Samco Slurry Transfer Pipette	13.2	5.1	7.5	3.3	13	450	<b>4.658 701</b>

## 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.
<b>21</b>	SEDI-PET Short Stem	6.4	2.5	1.3	0.8	26	500	<b>4.654 013</b>
<b>22</b>	SEDI-PET Short Stem Large Bulb	8.5	2.5	4.3	3.1	24	500	<b>4.654 016</b>
<b>23</b>	SEDI-PET Standard	15.5	2.5	4.5	3.3	26	500	<b>4.654 024</b>
<b>24</b>	SEDI-PET Large Bulb	15.5	3.0	15.3	11.6	19	250	<b>4.654 028</b>
<b>25</b>	Q-Pet Transfer Pipette	15.5	8.0	6.9	3.2	31	500	<b>4.654 089</b>

## Extra Long Pipettes

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



# LABORHITS

### Exact Volume\* Pipette

- Polyethylene
- Useful for small samples or dispensing reagents
- Ideal for home and POCTesting
- 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	<b>4.654 106</b>
28	Exact Volume*	10.2	3.0	250	500	<b>4.653 951</b>
28a	Exact Volume*	8.89	3.0	200	500	<b>4.654 104</b>
28b	Exact Volume*	9.5	3.6	300	500	<b>4.654 105</b>
29	Exact Volume*	8.0	3.0	150	500	<b>4.654 101</b>
30	Exact Volume*	8.3	2.5	100	500	<b>4.654 100</b>
31	Exact Volume*	7.5	2.5	80	500	<b>4.654 099</b>
32	Exact Volume*	6.5	2.5	60	500	<b>4.654 098</b>
32a	Exact Volume*	5.9	2.5	50	500	<b>4.654 103</b>
33	Exact Volume*	5.9	2.3	40	500	<b>4.654 097</b>
34	Exact Volume*	5.3	2.0	20	500	<b>4.654 096</b>

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

