

DOMINIQUE DUTSCHER SAS

Pipetting

# Samco transfer pipettes

## Precisely what you need

thermo scientific

# Yesterday, today, and tomorrow

**Thermo Scientific™ Samco™ transfer pipettes have provided outstanding performance and reliability for over 40 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
- Manufactured without mold-release agents that could interfere with test results

## Reliability

- On-site tool room able to provide custom-made transfer pipettes
- Precision-cut tips deliver a uniform drop size
- Controlled processes produce a uniform bulb with uncompromised integrity
- ISO 13485:2016– and ISO 9001:2015–certified facilities
- QSR (cGMP)–compliant facilities

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# Application guide

## Life science applications

**Top 9 pipettes:**
**9, 19, 21, 26, 30, 31, 32, 33, 34**

| | |
|---|---|
| **Cells in flasks and tubes—large volume, long pipettes** | |
| Subculturing, harvesting, sampling 15, 50, 100 mL tubes and flasks | 33, 34 |
| Remove supernatant and media from cell cultures | 33, 34 |
| Wash cells | 33, 34 |
| Post-centrifugation to remove all cell layers | 33, 34 |
| **Isolating cells—large aperture pipette** | |
| Prevent cells from getting stripped when removed or transferred | 9, 10, 26, 27 |
| Triturate cells | 9, 10, 26, 27 |
| Isolate platelets from blood and wash | 9, 10, 26, 27 |
| **Technique control—narrow stem, exact volume, and fine tips** | |
| Loading gels | 19, 21, 30, 31, 35–45 |
| PCR work | 19, 21, 30, 31 |
| DNA sample removal | 19, 21, 30, 31 |
| Feed hybridomas | 19, 21, 30, 31, 35–45 |
| Protein assays | 19, 21, 30, 31, 35–45 |
| Lipid extractions | 19, 21, 30, 31, 35–45 |
| Atomic absorption spectroscopy-reagent prep | 19, 21, 30, 31, 35–45 |
| Dropwise additions to culture plates | 19, 21, 30, 31 |
| **Eliminate steps—large bulb, narrow stem, SEDI-PET pipettes** | |
| Reaction chamber | 16, 30, 31, 32 |
| Storage ampule | 16, 30, 31, 32 |
| Portable aliquoting | 16, 30, 31, 32 |
| Pre-mix, collect, heat-seal, freeze, store, or incubate and dispense: | 16, 30, 31, 32 |
| - Reagents buffer solutions<br>- Protozoa, nematode larvae, marine eggs, seeds<br>- Anti-serum urine | |

## Industrial, research, and testing applications

**Top 13 pipettes:**
**5, 11, 13, 15, 16, 17, 19, 20, 21, 27, 32, 33, 34**

| | |
|---|---|
| **Chromatography**<br>Sample preparation for: LC, GC, HPLC, TLC | |
| Using 1 mL auto-sampler vials | 11, 12, 19, 20, 21, 22, 31 |
| Using 2 mL auto-sampler vials | 13, 21 |
| Layering in columns / transfers in columns | 33, 34 |
| Loading gels | 19, 22 |
| **Viscous liquid samples and transfers** | |
| Creams | 9, 10, 26, 27 |
| Oils | 9, 10, 26, 27 |
| Perfumes | 9, 26, 27 |
| Beverages | 9, 10, 26, 27 |
| Industrial slurries | 9, 10, 26, 27 |
| Food | 9, 10, 26, 27 |
| **Field testing** | |
| Water sampling | 31, 34 |
| Pre-filled with KCl and buffers | 31, 34 |
| **pH meter maintenance** | |
| Adding acids or bases | 11 |
| Remove and replace electrode fill solutions | 17 |
| **Spectrophotometry cuvettes** | |
| Reaches bottom of semi-microcuvettes; will not scratch expensive glass or quartz cells | 32 |
| **Reagent handling** | |
| Portable ampule | 31, 32 |
| Spreading and mixing | 24, 25, 26 |
| Slide tests | 13, 14, 15, 16, 17, 25 |

## Research applications

**Top 13 pipettes:**
**8, 9, 15, 16, 17, 20, 24, 25, 26, 31, 32, 33, 34**

| | |
|---|---|
| **Blood banking** | |
| Rapid transfers (3.5 cc in one squeeze) | 3, 4, 6, 7, 8, 10, 14, 15, 16 |
| Narrow barrel fits tubes and donor bag tubing | 3, 4, 6, 7, 8, 10, 14, 15, 16 |
| Controlled drop size | 7, 8, 15 |
| Calibrated transfers | 7, 8, 15 |
| **Remove, dispense small volumes** | |
| Remove and separate serum and blood | 17, 20, and other fine tips |
| Dispense small drops<br>- Small samples<br>- Load hemocytometers | 17, 20, and other fine tips |
| Transfer in and out of multi-well plates | 17, 20, and other fine tips |
| **Sedimentation and storage** | |
| Sedimentation | 29, 31 |
| Access to Wintrobe tubes | 31 |
| Fill, heat-seal, and store or aliquot reagents, anti-serum, urine, etc. | 2, 6, 13, 16, 27, 31, 32 |
| **Bottle sampling** | |
| Culture bottles | 33, 34 |
| **Slides** | |
| Smear samples | 24, 25, 26 |
| Mix and spread reagents | 24, 25, 26 |
| **Funnels/filters/scoops** | |
| Cut bulb in half and insert filter | 9, 27 |
| Cut bulb at angle for scoop | 9, 27 |

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# General purpose transfer pipettes

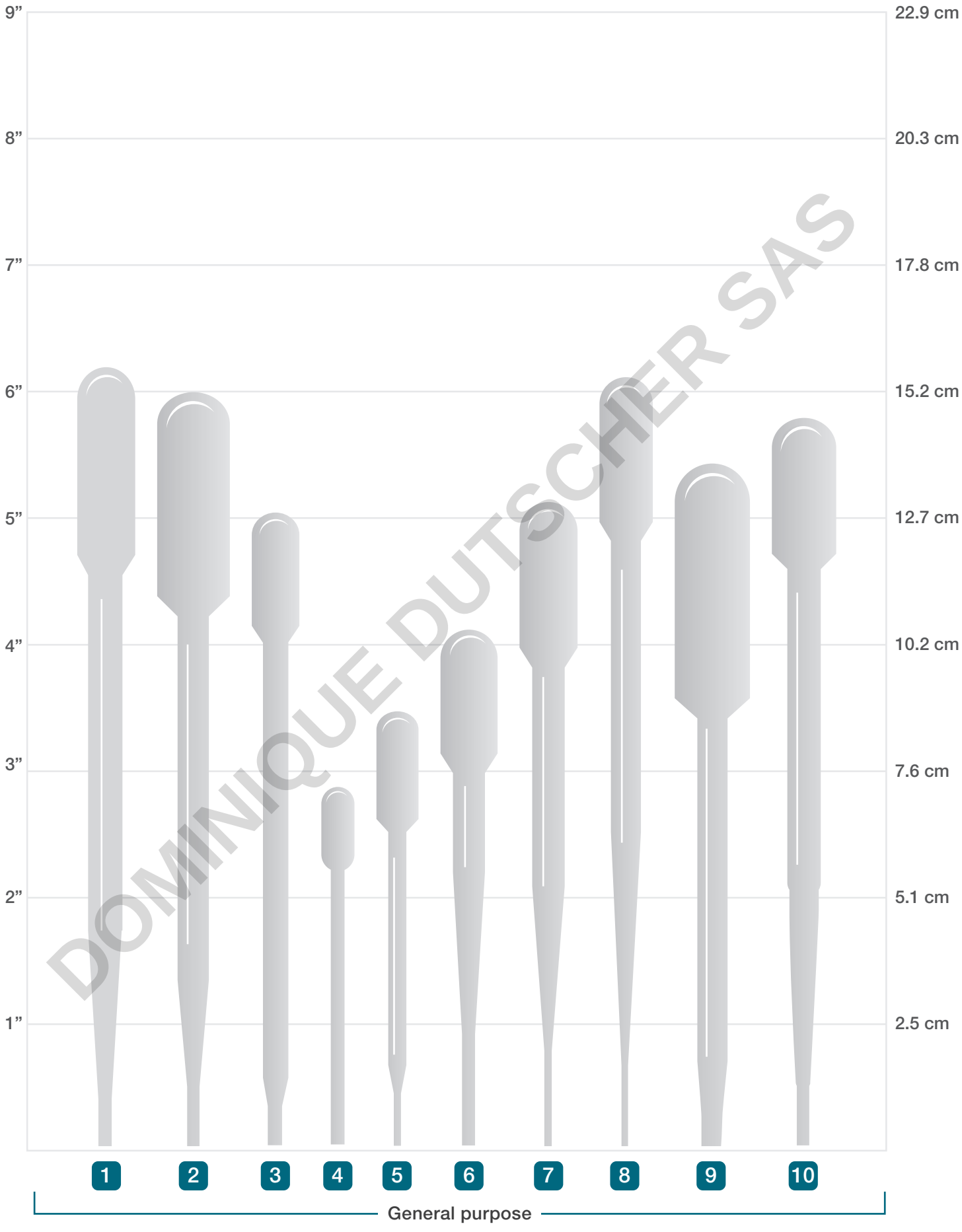
- Low-affinity surface reduces cell loss or protein binding
- Ideal for tissue culture, blood culture, and urine analysis
- Single-piece tool eliminates the need for plugging, packaging, and autoclaving while reducing cross-contamination

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### 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 | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **1** | General Purpose Standard | 15.6 | 7.9 | 7.7 | 3.0 | 21 | 500 | 5,000 | 202-1S | 202-20S-4 | 202 |
| **2** | General Purpose Large Bulb | 15.1 | 6.1 | 8.6 | 4.7 | 21 | 400 | 4,000 | 204-1S | 204-20S | 204 |
| **3** | General Purpose Small Bulb | 12.7 | 2.5 | 13.7 | 7.4 | 24 | 500 | 5,000 | * | * | 325-11 |
| **4** | General Extra Small Bulb | 7.2 | 3.3 | 0.6 | 0.3 | * | 500 | 4,000 | * | * | 281NL |
| **5** | General Purpose 3” | 8.7 | 4.8 | 1.8 | 0.9 | 26 | 500 | 4,000 | 273-1S | 273-20S | 273 |
| **6** | General Purpose 4” | 10.3 | 2.5 | 3.1 | 2.2 | 22 | 400 | 4,000 | * | * | 334-11 |
| **7** | General Purpose 5” | 12.9 | 6.6 | 7.5 | 2.8 | 24 | 400 | 4,000 | 335-1S | 335-20S | 335 |
| **8** | General Purpose 6” | 15.4 | 6.6 | 4.9 | 1.8 | 24 | 500 | 5,000 | 336-1S | 336-20S | 336 |
| **8** | 62 µL Large Aperture Pipette | 13.7 | 6.1 | 9.5 | 6.2 | 20 | 250 | 2,500 | 691-1S | 691-20S | 691 |
| **10** | General Purpose Beral | 14.5 | 2.8 | 5.5 | 2.4 | 22 | 500 | 5,000 | * | * | B75-100 |

* Not standard; sterile product available upon request.




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# Graduated transfer pipettes

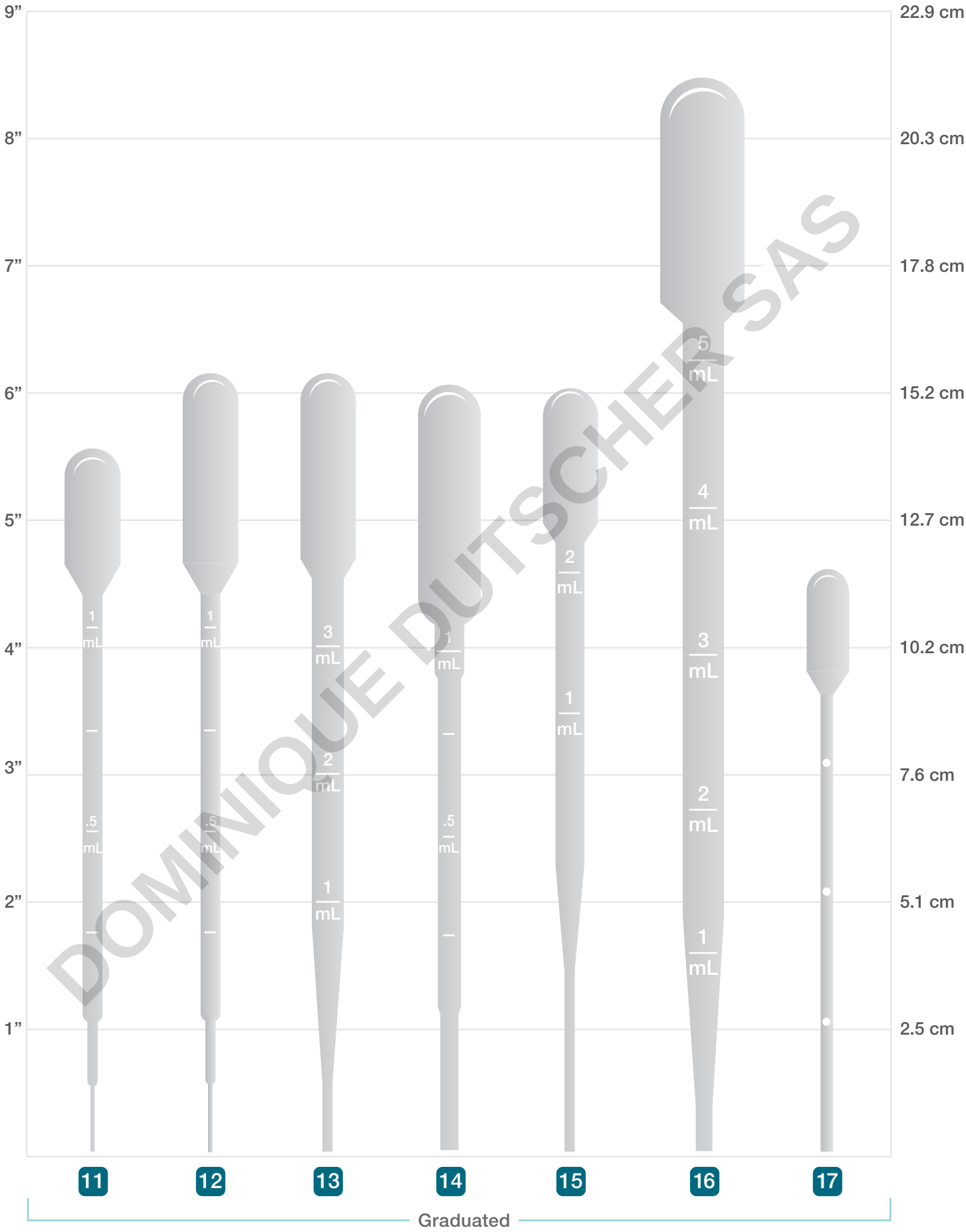
- Can be frozen in liquid nitrogen or heat-sealed for storage
- Graduation marks allow multiple allocations in a single draw
- Accurately measure more than one volume, with graduation marks in intervals of 0.1 mL, 0.25 mL, or 1 mL available

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### Graduated pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Overall capacity (mL) | Bulb draw (mL) | Drops per mL | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **11** | Graduated 1 mL Small Bulb | 14.0 | 4.7 | 3.9 | 2.1 | 25 | 500 | 5,000 | 212-1S-4 | 212-20S | 212 |
| **12** | Graduated 1 mL Large Bulb | 15.5 | 4.6 | 5.8 | 3.5 | 25 | 500 | 5,000 | 222-1S-4 | 222-20S-4 | 222 |
| **13** | Graduated 3 mL Large Bulb | 15.5 | 7.9 | 7.7 | 3.2 | 21 | 500 | 5,000 | 225-1S | 225-20S-4 | 225 |
| **14** | Graduated 1 mL Large Bulb | 15.2 | 2.8 | 5.8 | 4.3 | 20 | 500 | 5,000 | * | * | 718 |
| **15** | Graduated 2 mL | 15.2 | 7.1 | 4.6 | 1.8 | 25 | 500 | 5,000 | 274-1S | 274-20S | 274 |
| **16** | Graduated 5 mL Large Bulb | 21.7 | 3.0 | 13.7 | 7.4 | 19 | 250 | 2,500 | 728NL-1S | 728NL-20S | 728NL |
| **17** | Graduated 0.3 mL | 11.6 | 3.0 | 1.5 | 0.8 | 22 | 500 | 4,000 | 282-1S-4 | 282-20S | 282 |

* Not standard; sterile product available upon request.




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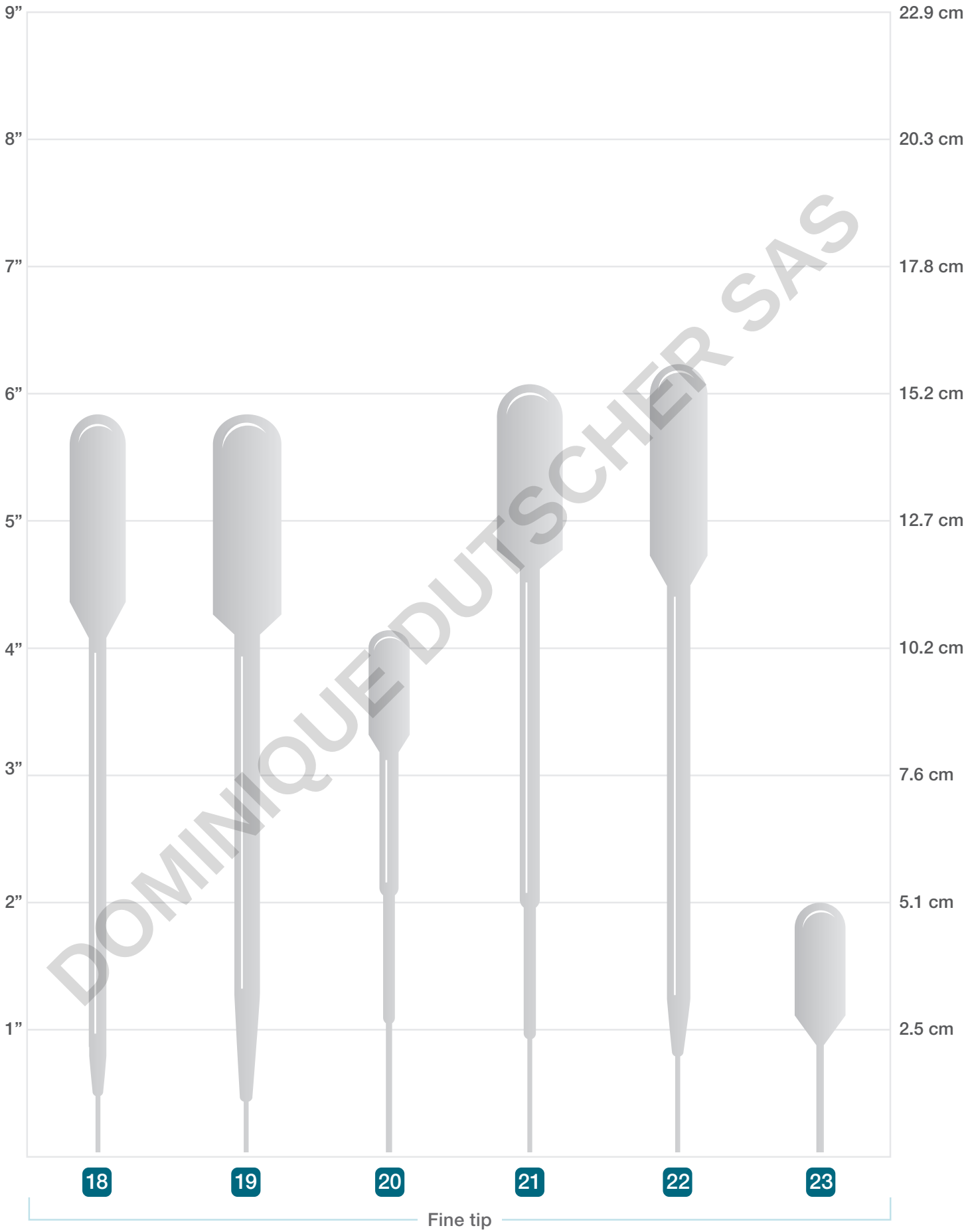
# Thermo Scientific™ Samco™ Fine Tip Transfer Pipettes

- Precise dispensing of small drops
- Elongated tips allow greater control when using small-volume containers
- Ideal for loading gels, PCR work, and sample removal

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### Fine tip pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Overall capacity (mL) | Bulb draw (mL) | Drops per mL | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **18** | Fine Tip Standard | 14.7 | 4.6 | 5.8 | 3.3 | 53 | 500 | 5,000 | 232-1S | 232-20S | 232 |
| **19** | Fine Tip Large Bulb | 14.7 | 6.1 | 8.9 | 4.8 | 45 | 400 | 4,000 | 234-1S-4 | 234-20S | 234 |
| **20** | Extended Fine Tip Small Bulb | 10.4 | 3.0 | 1.7 | 1.0 | 48 | 400 | 3,200 | 231-1S | 231-20S | 231 |
| **21** | Extended Fine Tip Large Bulb | 15.3 | 3.0 | 5.4 | 3.1 | 50 | 250 | 2,000 | 235-1S | 233-20S | 233 |
| **22** | Extended Fine Tip Standard | 15.7 | 4.6 | 5.8 | 3.7 | 50 | 500 | 5,000 | 235-1S | 235-20S | 235 |
| **23** | Fine Tip Small | 5.1 | 1.2 | 1.6 | 1.0 | 34 | 500 | 4,000 | — | — | 243 |




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# Special purpose

- **Thermo Scientific™ Padl-Pet™ transfer pipettes** have a fin on top of the squeeze bulb, ideal for smearing, mixing, and spreading reagents after dispensing liquids
- **Slurry transfer pipettes** have a tip diameter that is double the size of the standard transfer pipettes, ideal for viscous liquids
- **Narrow stem pipettes** can be bent to access narrow openings and small tube diameters
- **Extra long pipettes** are ideal for reaching into large bottles and containers

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## Special purpose and Padl-Pet pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Overall capacity (mL) | Bulb draw (mL) | Drops per mL | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **24** | Padl-Pet 25 µL Drop Size | 13.1 | 3.8 | 1.0 | 0.2 | — | 500 | 4,000 | * | * | 292 |
| **25** | Padl-Pet 30 µL Drop Size | 13.0 | 3.8 | 1.0 | 0.2 | — | 500 | 4,000 | * | * | 293 |
| **26** | Padl-Pet 50 µL Drop Size | 12.4 | 3.6 | 0.8 | 0.2 | — | 500 | 4,000 | * | * | 295 |
| **27** | Samco Slurry Transfer Pipette | 13.2 | 5.1 | 7.5 | 3.3 | 13 | 450 | 4,500 | * | * | 993 |

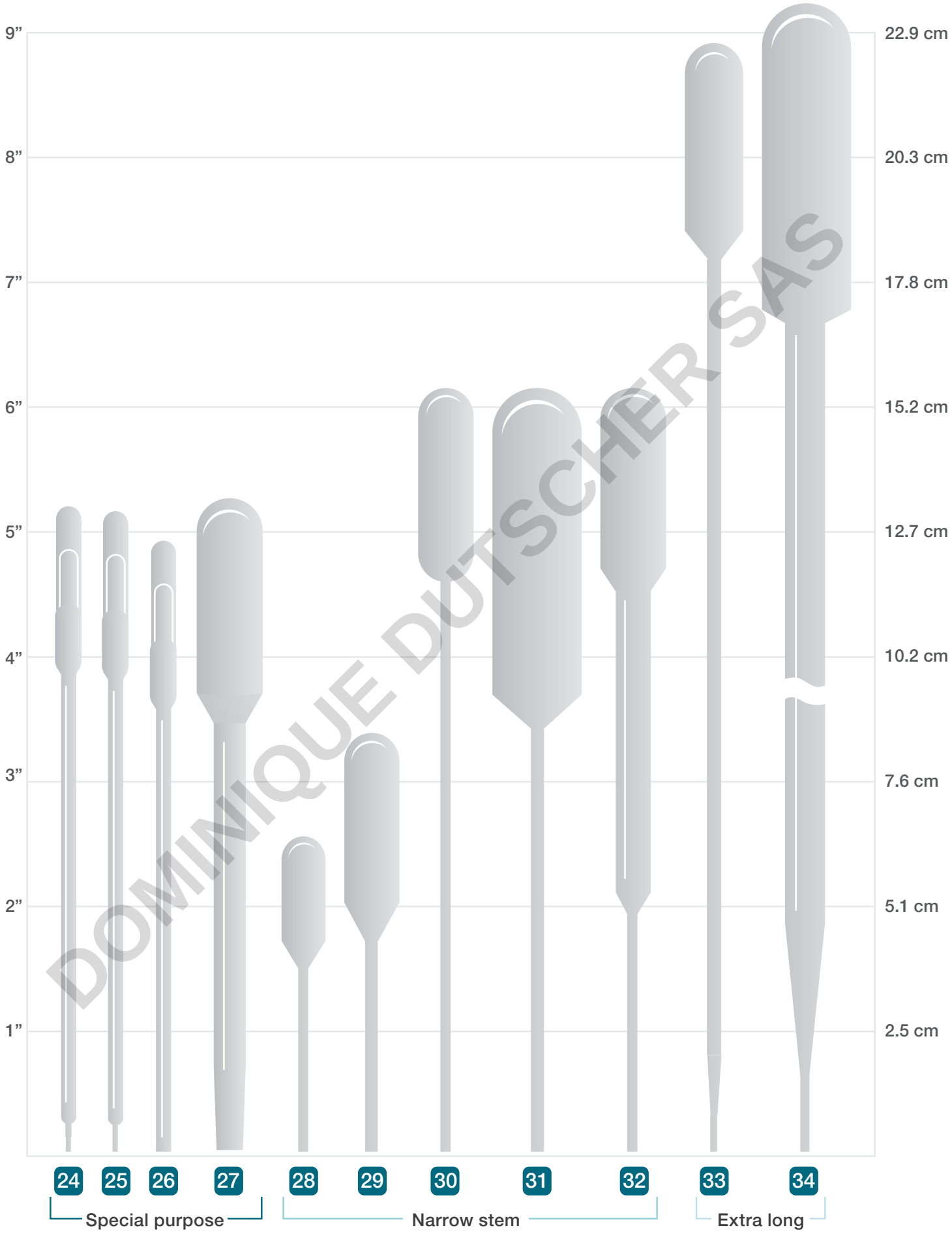
## Narrow stem Thermo Scientific™ SEDI-PET™ and Q-Pet™ pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Overall capacity (mL) | Bulb draw (mL) | Drops per mL | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **28** | SEDI-PET Short Stem | 6.4 | 2.5 | 1.3 | 0.8 | 26 | 500 | 4,000 | 241-1S | 241-20S | 241 |
| **29** | SEDI-PET Short Stem Large Bulb | 8.5 | 2.5 | 4.3 | 3.1 | 24 | 500 | 5,000 | 242-1S | 242-20S | 242 |
| **30** | SEDI-PET Standard | 15.5 | 2.5 | 4.5 | 3.3 | 26 | 500 | 5,000 | 251-1S | 251-20S | 251 |
| **31** | SEDI-PET Large Bulb | 15.5 | 3.0 | 15.3 | 11.6 | 19 | 250 | 2,500 | 252-1S | 252-20S | 252 |
| **32** | Q-Pet Transfer Pipette | 15.5 | 8.0 | 6.9 | 3.2 | 31 | 500 | 5,000 | 694-1S | * | 694 |

## Extra long pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Overall capacity (mL) | Bulb draw (mL) | Drops per mL | Quantity per pack | Quantity per case | Sterile pipettes | | Cat. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Individually wrapped | 20 per pack | |
| **33** | Extra Long 9” | 22.5 | 5.0 | 5.6 | 2.3 | 25 | 400 | 4,000 | 262-1S | 262-20S | 262 |
| **34** | Extra Long 12” | 30.0 | 8.6 | 24.1 | 10.7 | 20 | 100 | 1,000 | 263-1S | 263-20S | 263 |

* Not standard; sterile product available upon request.




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# Exact Volume** pipettes

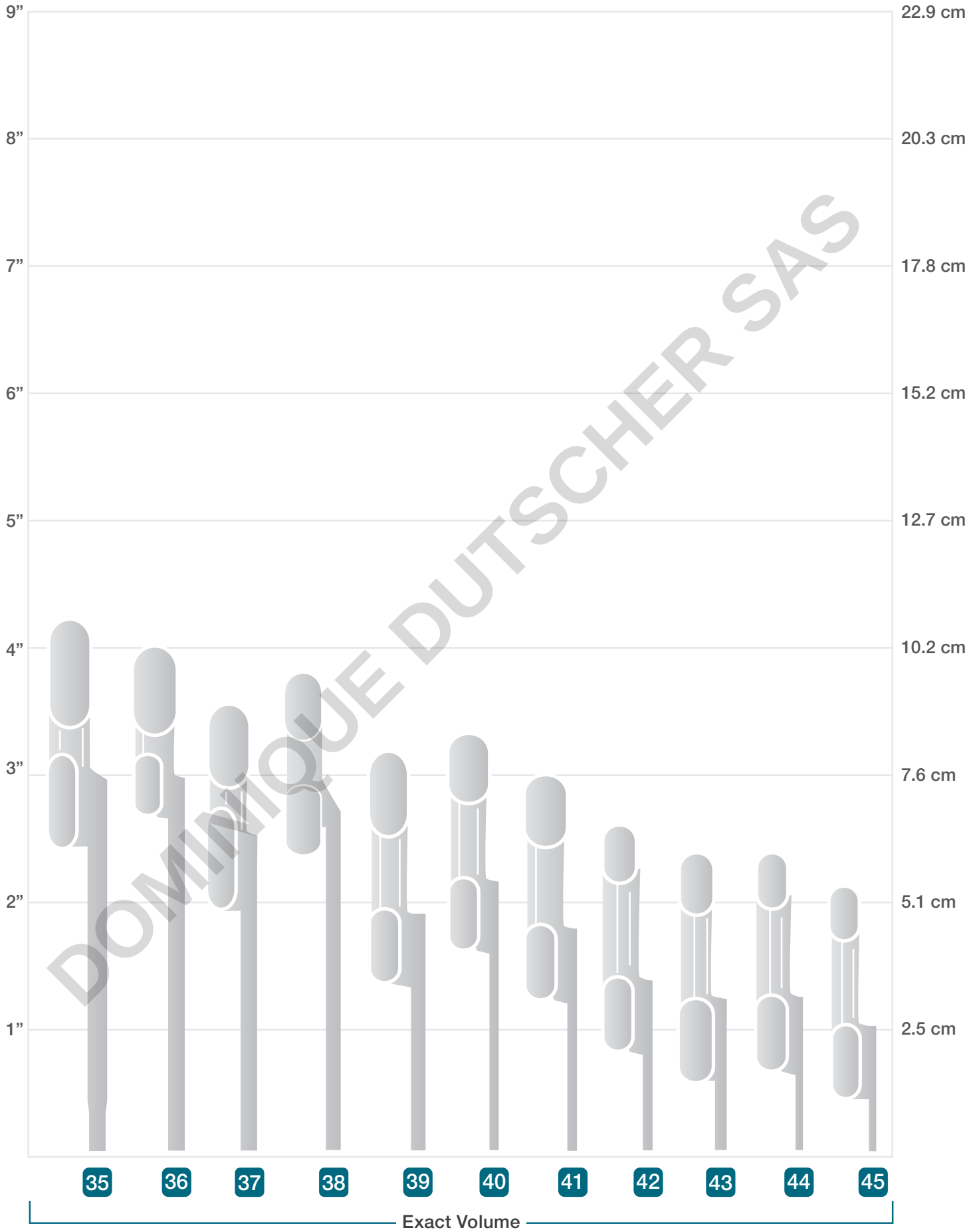
- Polyethylene
- Useful for small samples or dispensing reagents
- Ideal for home and point-of-care (POC) testing with validated applications
- OEM applications
- Custom design options available to meet your exact specifications

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### Exact Volume** pipettes

| Key | Product description | Length (cm) | Stem diameter (mm) | Dispense volume (mL) | Quantity per pack | Quantity per case | Cat. No. |
|---|---|---|---|---|---|---|---|
| **35** | Exact Volume** | 10.6 | 3.8 | 400 | 500 | 5,000 | 967NL |
| **36** | Exact Volume** | 10.2 | 3.0 | 250 | 500 | 5,000 | 191NL |
| **37** | Exact Volume** | 8.89 | 3.0 | 200 | 500 | 5,000 | 941NL |
| **38** | Exact Volume** | 9.5 | 3.6 | 300 | 500 | 5,000 | 966NL |
| **39** | Exact Volume** | 8.0 | 3.0 | 150 | 500 | 5,000 | 788NL |
| **40** | Exact Volume** | 8.3 | 2.5 | 100 | 500 | 5,000 | 787NL |
| **41** | Exact Volume** | 7.5 | 2.5 | 80 | 500 | 5,000 | 786NL |
| **42** | Exact Volume** | 6.5 | 2.5 | 60 | 500 | 5,000 | 785NL |
| **43** | Exact Volume** | 5.9 | 2.5 | 50 | 500 | 5,000 | 930NL |
| **44** | Exact Volume** | 5.9 | 2.3 | 40 | 500 | 5,000 | 784NL |
| **45** | Exact Volume** | 5.3 | 2.0 | 20 | 500 | 5,000 | 783NL |

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




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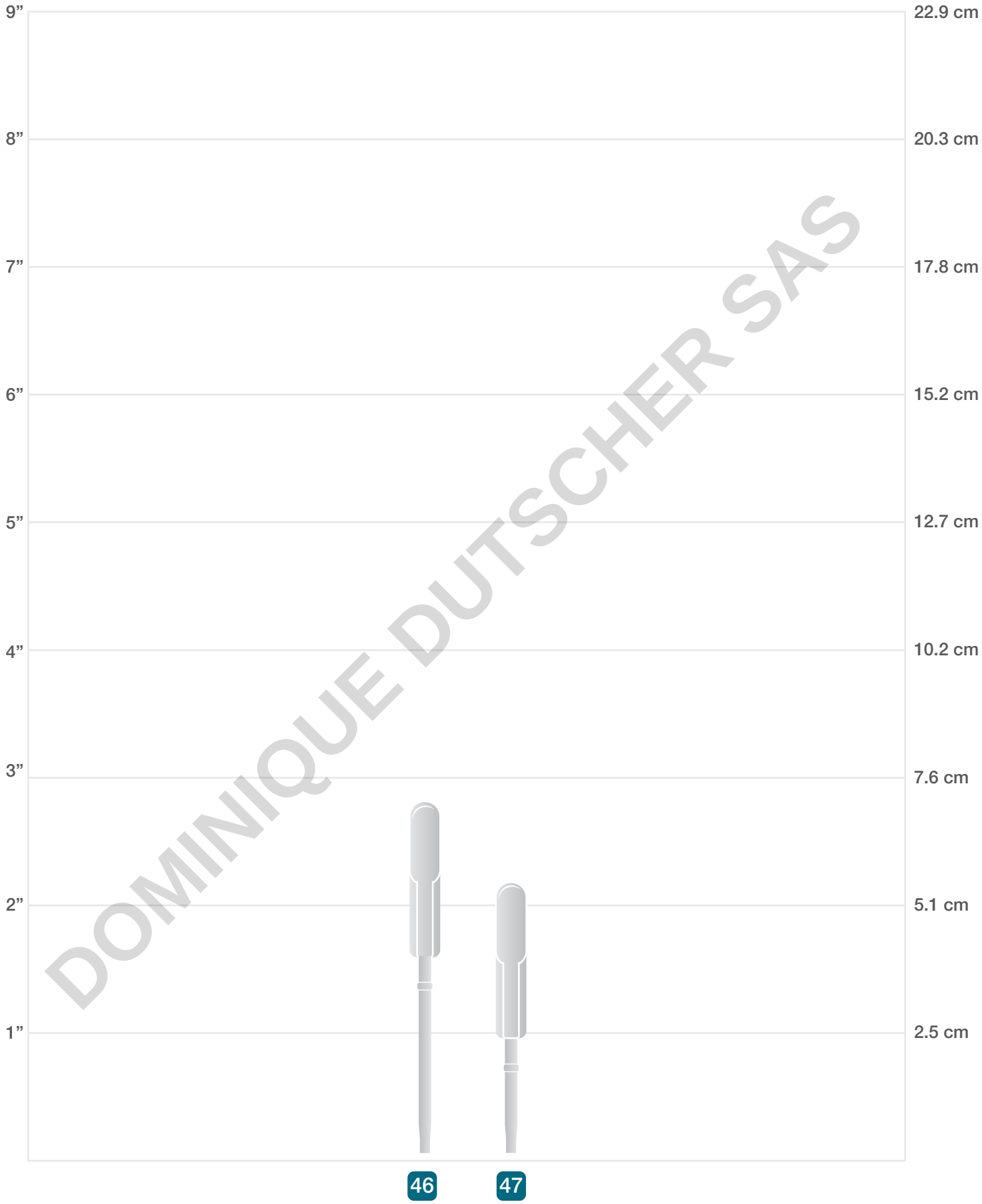
# Capillary transfer pipettes

- Rapid, automatic fill with no bubbles
- Suited for collecting and dispensing microliter-scale liquid samples
- No anticoagulants or bulky plungers are required because collection and dispensing occurs within seconds
- For horizontal use only

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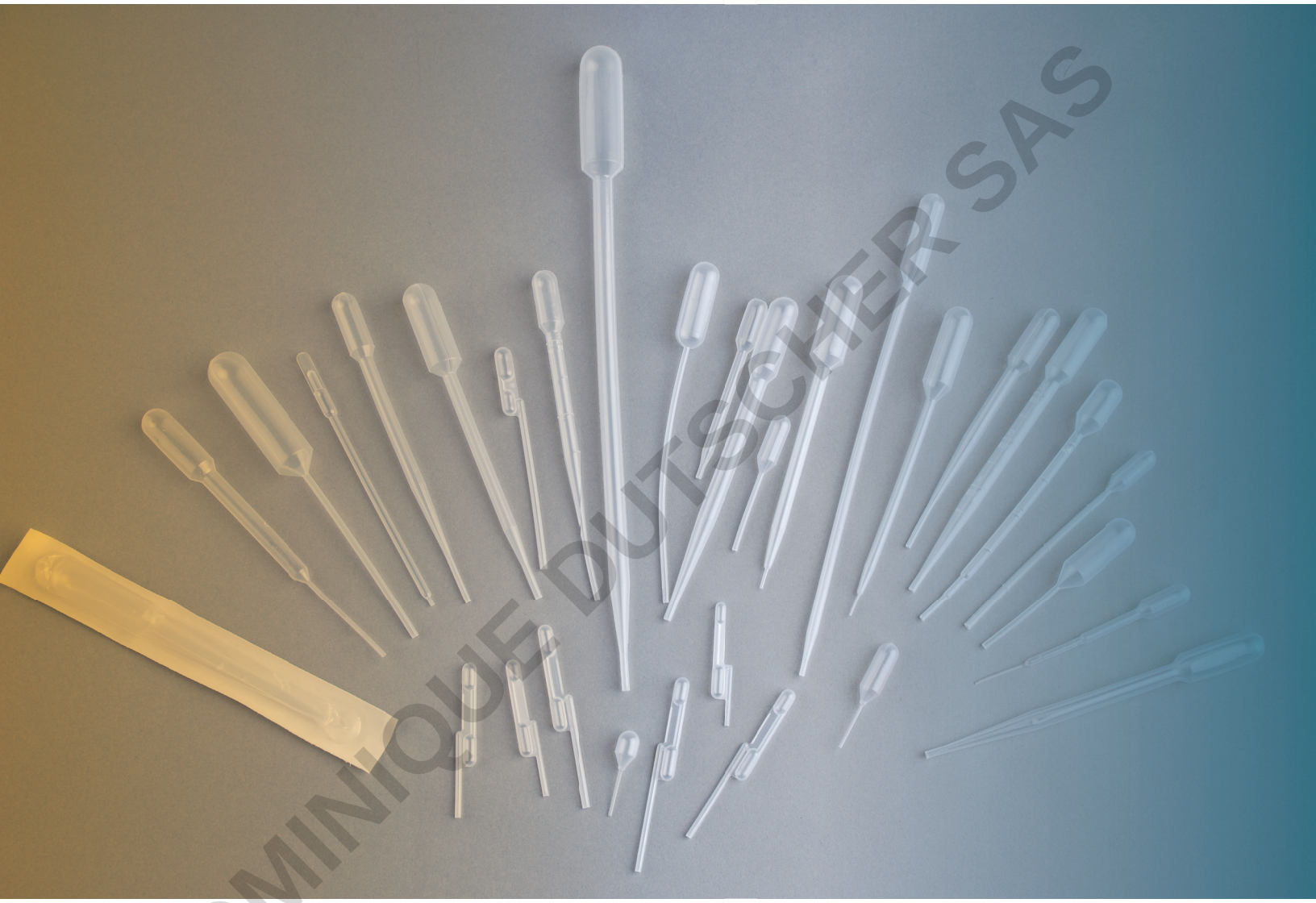
### Capillary transfer pipettes

| Key | Product description | Stem length (cm) | Stem diameter (mm) | Dispense volume (mL) | Quantity per pack | Quantity per case | Cat. No. |
|---|---|---|---|---|---|---|---|
| **46** | Samco Capillary Transfer Pipette, 50 µL | 3.87 | 2.34 | 50 | 500 | 5,000 | 1029-100 |
| **47** | Samco Capillary Transfer Pipette, 25 µL | 2.26 | 2.34 | 25 | 500 | 5,000 | 1028-100 |




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