# eppendorf

## Stay Informed

# Precise and Repeatable Pipetting of Problem Liquids

Pipetting seems easy, but some tips and tricks can help you to get consistent and reproducible results-even with difficult liquids.

> Spendor Research DIUS **Air-cushion pipette**

**Positive displacement** dispenser

#### **Immersion depth**

1

avoid uptake of air

Volume in µL	Depth in mm
0.1-1	1
1–100	2–3
100-1,000	2-4
1,000–10,000	3-6

0

#### 3 **Ice-cold liquids**

1000

CAL

#### **Foaming liquids**

It is difficult to pipette sam-

mended to minimize the

#### **Viscous liquids**

pipette it is recommended

### 2 Forward & reverse pipetting

Forward	Liquid uptake:	<ol> <li>Press to 1st stop</li> <li>Move up completely</li> </ol>
	Liquid discharge:	Press via 1st stop down to 2nd stop
Reverse	Liquid uptake:	<ol> <li>Press to 2nd stop</li> <li>Move up completely</li> </ol>
	Liquid discharge:	Press to 1st stop



#### 4 **Pipetting angle**

When aspirating, the pipette should be as vertical as possible. Noticeable

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