



SARTORIUS  
PROLINE PLUS  
20.0  
2-20 µl  
20

## Proline® Plus Mechanical Pipettes

Dependable Durability



Fixed volume Proline® Plus pipette



Proline® Plus has a comfortable handle and an ergonomic finger support for effortless pipetting.



Safe-Cone Filters protect the pipette from contamination, and should be changed regularly.

The Proline® Plus mechanical pipette family is designed to offer comfort and quality for your everyday manual pipetting. It combines durable construction with ease and lightness of use, and is therefore the perfect choice for liquid-handling professionals and students alike. In addition, it has the widest pipette range, including fixed volume pipettes for when volumes need to be ready-set to avoid errors.

### Ergonomic Design

Proline® Plus has low pipetting forces, a comfortable handle and an ergonomic finger support for effortless pipetting. Good fit in hand minimizes the grip force needed to hold the pipette, thereby reducing the risk of strain injury.

### Loading Tips on Multi-channel Pipettes with Minimum Force

Loading and ejecting tips with multi-channel pipettes requires relatively high forces. Proline® Plus multi-channel pipettes have spring loaded tip cones – the Optiload mechanism. Optiload allows tips to be loaded and ejected with minimum force, which reduces the risk of hand injuries. Moreover, it secures even tip sealing onto every individual tip cone.

### Protect the Pipette with Safe-Cone Filters

The replaceable Safe-Cone Filter located inside the tip-cone prevents aerosols and fluids from penetrating the pipette, also in case of over-aspiration. The use of Safe-Cone Filters lengthens the maintenance interval of the pipette. Safe-Cone Filters are available for all Proline® Plus models greater than 10 µL. They must be replaced regularly, and always in case of overaspiration.

### Easy Maintenance and Adjustment

No opening tools are needed for cleaning and maintaining Proline® Plus pipettes, and only three parts need to be cleaned. These pipettes are also easy to adjust using the adjustment tool that is provided with the pipette.

## Features and Benefits



Proline® Plus pipettes have only three parts that need cleaning and maintenance.

- Low pipetting forces that prevent repetitive injury and improve results in long pipetting series
- Ergonomic finger support minimizes the grip force needed to hold the pipette
- Optiload mechanism in multi-channel models for easy and light tip loading with perfect tip sealing as well as 5,000 and 10,000  $\mu\text{L}$  single channel pipettes
- Wide variety of adjustable single and multi-channel models as well as fixed single-channel models
- Volume range from 3  $\mu\text{L}$  (5  $\mu\text{L}$  for fixed) to 10 mL
- Easy volume setting with click stop mechanism
- Big volume display
- Color-coding of different volumes to ease the selection of matching pipette tips
- Safe-Cone Filters available for models > 10  $\mu\text{L}$
- Fully autoclavable without disassembly
- Simple to clean and maintain with only three parts to disassemble
- Materials have high chemical and UV-resistance to secure long life-time of the pipette



## Ordering Information

Proline® Plus Variable Volume  
Mechanical Pipettes

## Tip Selection Guide

Proline® Plus Order Code	Channels	Volume Range ( $\mu\text{L}$ )	Increment ( $\mu\text{L}$ )	Pipettes and Tips Color-Code	Optifit Tip Volume	Safetyspace® Tip Volume	Safe-Cone Filters	
							Standard	Plus
728010	1	0.3-3	0.002	■	10 $\mu\text{L}$	10 $\mu\text{L}$	-	-
728020	1	1-10	0.01	■	10 $\mu\text{L}$	10 $\mu\text{L}$	-	-
728030	1	2-20	0.02	■	200 $\mu\text{L}$	20 $\mu\text{L}$	721014	-
728040	1	5-50	0.10	■	200 $\mu\text{L}$	120 $\mu\text{L}$	721008	721018
728050	1	10-100	0.10	■	200 $\mu\text{L}$	120 $\mu\text{L}$	721008	721018
728060	1	20-200	0.20	■	200 $\mu\text{L}$	200 $\mu\text{L}$	721007	721017
728070	1	100-1,000	1.00	■	1,000 $\mu\text{L}$	1,000 $\mu\text{L}$	721006	721016
728080	1	500-5,000	10.0	■	5,000 $\mu\text{L}$	5,000 $\mu\text{L}$	721005	721015
728090	1	1,000-10,000	20.0	■	10,000 $\mu\text{L}$	-	721005	721015
728120 728220	8 12	1-10	0.01	■	10 $\mu\text{L}$	10 $\mu\text{L}$	-	-
728130 728230	8 12	10-100	0.10	■	200 $\mu\text{L}$	120 $\mu\text{L}$	721008	721018
728140 728240	8 12	30-300	0.20	■	350 $\mu\text{L}$	300 $\mu\text{L}$	721007	721017

For pipette specifications (incl. Systematic and Random error limits), please see product datasheet, available at [sartorius.com](http://sartorius.com)

