



sartorius

## Biotrate Digital Burette – Convenient Titration



turning science into solutions

# Biotrate Premium Digital Burette for Convenient Titration

Sartorius Biotrate is a premium digital burette equipped with sophisticated functions for easy titration. Biotrate offers high chemical resistance and it is a smart solution for titrating various liquids accurately and safely. Biotrate is easy and convenient to use due to its large and clear electronic display, smooth operating wheels, and 360° rotating dispensing head.

## ■ High Chemical Resistance

- Highly resistant parts in the liquid pathway guarantee excellent chemical resistance.
- The softly-moving piston ensures reliable results.

## ■ Premium Quality

- High quality parts and materials guarantee highly accurate and precise results as well as long lifetime.

## ■ Convenient to Use

- Biotrate is comfortable to use due to soft touch operating wheels and 360° rotating dispensing head.
- Extremely smooth and light to operate.



# Biotrate Features

## Chemical Resistance

Biotrate offers excellent chemical resistance due to its high-quality materials, allowing the use of wide variety of liquids.

## Light to Use

The operating wheels are light and comfortable to use due to the soft touch surface and smoothly moving piston. These guarantee good ergonomics and excellent results in everyday use.

## Large and Clear Display

The display indicates clearly the measured volume, and shows whether you are measuring an aspirated or titrated volume.

## Versatile Accessories

Biotrate can be equipped with wide range of accessories e.g. various bottle adapters, dispensing heads, and aspiration tubes.

## Long Life Battery

Biotrate is powered with a long life battery so there is no need to plug in or re-charge the unit. The battery is also easy to replace by the user.

## Easy to Clean

Biotrate is easy to disassemble for cleaning and autoclaving. The liquid pathway is fully autoclavable.

## User Adjustment

Biotrate can be adjusted for various liquids and it is easy to revert to factory settings. The display also indicates when a custom adjustment is in use.



# Convenient to Use

## Smart 360° Rotating Dispensing Head

The dispensing head can be turned to any position without having to turn the bottle or the entire burette. The display, operating wheels, and the bottle label remain in optimal position ensuring comfortable use.



## Media Recirculation System

Biotrate is equipped with a media recirculation system that allows unused media to be recovered from the device and returned to the bottle. This ensures easy priming and minimizes the media loss.



## Connector for Drying Tube and Filters

Drying tubes and filters can be connected to the back of the Biotrate. It is recommended that drying tubes be used when titrating humidity-sensitive liquids.



## UV-Protection Window

Biotrate is supplied with an amber coloured replacement window for protecting light sensitive media.



## Easy to Attach Aspiration Tube

The aspiration tube is easy to attach with a secure threaded connection. This prevents air entering the system and ensures reliable results.



## Easily Replaceable Valves

Valves can be easily replaced by the user so there is no need to send the unit to be serviced.



# Ordering Information

## Biotrate

| Order Code | Item     | Nominal Volume |
|------------|----------|----------------|
| LH-723080  | Biotrate | 10 ml          |
| LH-723081  | Biotrate | 20 ml          |
| LH-723082  | Biotrate | 50 ml          |

Note: All models have A45 thread as a default and they are supplied with A32, A38, and S40 bottle adapters.  
Bottle is not included.

## Accessories

| Order Code | Item                                    | Material |
|------------|---|----------|
| LH-721650  | Dispensing head, standard               | FEP      |
| LH-721651  | Dispensing head, fine tip               | FEP      |
| LH-721648  | Dispensing head, 1,5 mm spiral          | FEP      |
| LH-721652  | Dispensing head, 0,4 m adjustable       | FEP      |
| LH-721653  | Dispensing head, luer lock              | FEP/PP   |
| LH-721654  | Dispensing head, luer lock              | FEP/PFA  |
| LH-721678  | Aspiration tube, 310 mm                 | FEP      |
| LH-721679  | Aspiration tube, 400 mm                 | FEP      |
| LH-721682  | Recirculation tube, 70 mm               | FEP      |
| LH-721689  | Bottle adapter, A28                     | ETFE     |
| LH-721684  | Bottle adapter, A28                     | PP       |
| LH-721683  | Bottle adapter, A32                     | PP       |
| LH-721688  | Bottle adapter, A32                     | ETFE     |
| LH-721686  | Bottle adapter, A38                     | PP       |
| LH-721733  | Bottle adapter, A38                     | ETFE     |
| LH-721685  | Bottle adapter, A38/430                 | PP       |
| LH-721732  | Bottle adapter, A38/430                 | ETFE     |
| LH-721687  | Bottle adapter, S40                     | PP       |
| LH-721734  | Bottle adapter, S40                     | ETFE     |
| LH-721735  | Bottle adapter, NS29/32                 | Silicone |
| LH-721743  | Bottle support, for bottles 75 - 120 mm | Silicone |



## Sartorius Minisart® Syringe Filters

Sartorius Minisart® filters fit Biotrate digital burettes perfectly. Minisart® filters offer superior flow rate, high total throughput volumes, and exceptional quality.



Biotrate can be equipped with Minisart® filter for media filtration. Dispensing heads with luer lock connection are available separately.



For filtering replacement air, Biotrate can be equipped with a Minisart® filter.

## Sartorius Pipettes, Pipette Tips, and Services

Our leading range of superior electronic and mechanical pipettes are the perfect solution for your liquid handling needs. Sartorius pipettes and tips fit seamlessly together maximizing pipetting performance and ensuring accuracy and precision. For more information, visit [www.sartorius.com](http://www.sartorius.com).

Sartorius also provides pipette maintenance, repair, and calibration services globally. Contact your nearest Sartorius service center or office for more information.



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