

GlassMate™ Manual Pipette Controller

Introduction

GlassMate may be used with glass or plastic pipettes in the volume range of 1 mL to 100 mL for pipetting a wide range of liquids. When correctly used, liquid only comes into contact with the pipette. Do NOT use GlassMate with liquids that are incompatible with silicone, ABS, nylon and polypropylene.

Operating Instructions

- 1 Squeeze the suction bulb before attaching to the pipette.

- 2 *Attaching the pipette*

Carefully attach the pipette by inserting it into the silicone holder inside the nose cone. **Do not use force.**

- 3 *Filling the Pipette*

Hold GlassMate vertically with the pipette tip down. Place the tip into the liquid to be aspirated. Press the aspirate/dispense control slowly upward, allowing the liquid to fill the pipette, so that the meniscus level is slightly above the required mark.

Note: Do not allow liquid to enter GlassMate. The function of the filter will be severely impaired, reducing efficiency. If liquid does enter GlassMate, replace the filter.

- 4 *Meniscus Adjustment*

Wipe the pipette tip with a suitable lint-free tissue. Press the pipetting lever down slowly until the required meniscus has been reached.

- 5 *Dispensing*

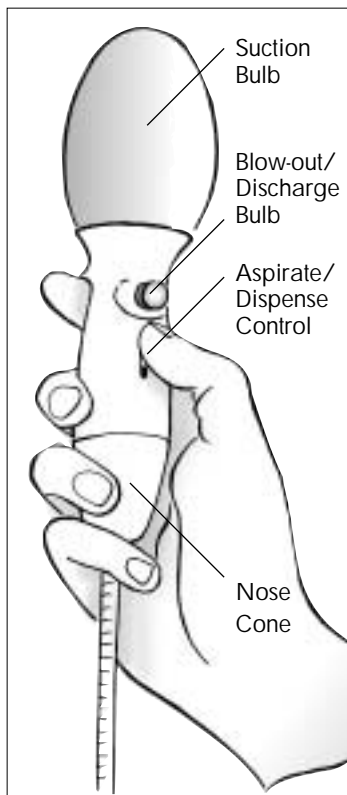
Hold the receiving vessel in an inclined position, placing the pipette tip against the vessel wall. Press the pipetting lever down to dispense.

- 6 *"Blow-out" Pipettes*

As soon as the meniscus in the pipette comes to a standstill, press the blow-out discharge bulb to expel the last few drops. To ensure a complete dispense procedure, wipe the pipette tip upward a few millimeters along the inside wall of the receiving vessel.

- 7 *"To Deliver" Pipettes*

As soon as the liquid in the pipette comes to a standstill, wait for the period of time required to ensure the timed liquid has been fully dispensed. Note: Pipetting time is printed on the pipette e.g. "EX + 10s"



8 To Remove Pipette

Holding the pipette at its upper end, gently twist and remove it from the silicone pipette holder.

9 Cleaning

GlassMate is easy to maintain. Cleaning with a damp cloth is all that is required.

10 Replacing the Filter

To replace the filter, proceed as follows:

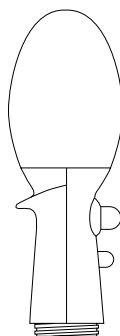
- remove pipette
- unscrew the nose cone
- remove the filter and replace with a new one
- re-assemble

11 Leak Test

Attach a pipette and aspirate liquid to a minimum of half the capacity of the pipette. Hold the pipette over a suitable reservoir. If liquid drips from the pipette tip, dismantle the unit and re-assemble correctly.

12 Returning the Unit

If it becomes necessary to return the unit, please first call 800-472-4646 for return authorization.



Filter



Pipette holder



Nose Cone

Ordering Information

GlassMate Pipette Controller

Cat. No.	Description
GMT-100	GlassMate Pipette Controller (1 to 100 mL) with 4 assorted nose cones

Accessories

Cat. No.	Description	Quantity
GM-045	Filter set, 0.45 µm	Pkg. of 5
GM-PH	Silicone pipette holder	Pkg. of 1
GMT-NC-WT	Nose cone, White	Pkg. of 1
GMT-NC-MT	Nose cone, Mint	Pkg. of 1
GMT-NC-LC	Nose cone, Lilac	Pkg. of 1
GMT-NC-PK	Nose cone, Pink	Pkg. of 1

Sterile Disposable Plastic Serological Pipettes

Cat. No.	Volume	Grad. Interval	Plug Color	Qty/pkg
SP0010-S01	1 mL	0.01	Yellow	500
SP0050-S01	5 mL	0.10	Blue	250
SP0100-S01	10 mL	0.10	Orange	200
SP025S-S01	25 mL	0.20	Red	200
SP5000-S01	50 mL	1.00	Purple	100



Rainin Road • Box 4026
Woburn, MA 01888-4026

5400 Hollis St
Emeryville, CA 94608-2805

Orders: 800-472-4646 e-mail: pipets@rainin.com Website: <http://www.rainin.com>

GlassMate is a trademark of Rainin Instrument Co, Inc. © 1998 Rainin Instrument Co, Inc. 9920-229 Rev A