



 Medisca®

Transfer Pipette Owner's Manual



List of Functions

1. Dispensing Button

By pressing the dispensing button down to the stop, the requested volume is dispensed.

2. Adjusting wheel

By turning the adjusting wheel into the position 1 to 5, the requested volume is set according to Table 1.

3. Filling button

By pushing the button upward to stop, the tip is filled up.

4. Fixing lever

The fixing lever is used to secure the syringe tip.

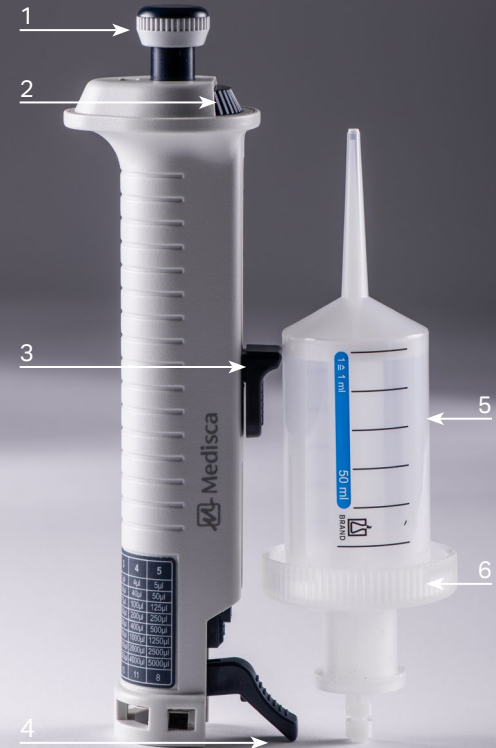
5. Syringe Tip

Vessel that contains preparation for dispensing.

6. Adapter

The adapter connects syringe tip to the Medisca Transfer Pipette.

This product is manufactured and CE certified by DLAB Scientific Co., Ltd (China).



Selecting the Volume

- Use the table below to look for the required dispensing volume.
- The top row indicates the setting; the adjusting wheel (2) has to be set at for the volume required.
- For the number of maximum dispensing steps, please refer to the bottom row.

Adjusting Wheel	1	2	3	4	5
50.00 mL	1000µl (1 mL)	2000µl (2 mL)	3000µl (3 mL)	4000µl (4 mL)	5000µl (5 mL)
Steps	48	23	15	11	8



Connecting Adapter to Syringe Tip



1. Place plunger into the syringe tip (5).



2. Place the adapter (6) over the assembled syringe tip (5) and plunger.



3. Secure adapter (6) onto the syringe tip (5).

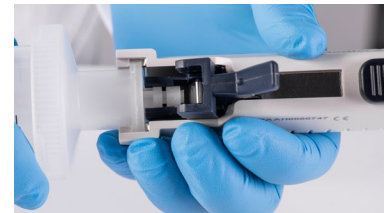
Inserting Syringe Tip with Adapter



1. Push the filling button (3) down to the stop.



2. Open the fixing lever (4).



3. Insert syringe tip (5) and adapter (6), which has to lock into place.



4. Push the filling button (3) down a little, and press down the fixing lever (4), to secure the syringe tip (5) and adapter (6).



5. Use the adjusting wheel (2) to set the required dispensing volume.



6. The Medisca Transfer Pipette is now set up and ready to fill.

Filling the Syringe Tip



1. Immerse the nozzle of syringe tip (5) into the liquid preparation.



2. The syringe tip (5) is filled by slowly pushing the filling button (3) upwards.



3. Prime the syringe tip (5) by discarding the first dispense.



Quick Tips for Filling the Syringe Tip

- In order to prevent a negative pressure and a saturation of the liquid with minute air bubbles when filling the syringe tip (5), the filling button (2) has to be pushed up slowly.
- An air bubble, which might be in the upper part of the cylinder, will have no influence on the accuracy, as the last dispensing step should be discarded.
- The syringe tip (5) does not need to be completely filled.
- The first and last dispensed volume should be discarded for precision.

Dispensing



1. Check the volume setting at the adjusting wheel (2).



2. Place the nozzle of the syringe tip (5) at an angle to the wall of the vessel.



3. Press the dosing button (1) down to the stop. Repeat step 2 and 3 as needed.



Quick Tips After Dispensing

- The syringe tip (5) must be changed when the reagent is changed.
- Return the residual liquid into the vessel by pushing the filling button (3) down slowly to the stop.

Removing the Syringe Tip



1. Empty the syringe tip (5) completely.



2. Open the fixing lever (4).



3. Remove the syringe tip (5) and adapter (6) from the Medisca Transfer Pipette.



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