

1. List of functions

① Dosing button

By pressing the dosing button down to the stop, the adjusted volume is dispensed.

② Adjusting wheel

By moving the adjusting wheel into the position 1 to 5, the requested dosing volume is set in compliance with Table 1.

③ Filling slide

By pushing the slide upwards, the tips inserted is filled up.

④ Stopping lever

The stopping lever is used to secure the tips inserted.

⑤ Dispenser tips



REPETTE™

Instructions for use

2. Selecting the volume

- Use Table 1 to look for the requested dosing volume first of all.
- The position, to which the adjusting wheel (2) has to be set, is given in the topmost line.
- For the suitable size of dispenser tips (5), please refer to the left-hand column.
- For the number of dispensing steps, please refer to the bottom most line in Table 1.

Table 1

Adjusting wheel	1	2	3	4	5
0.05 ml	1 µl	2 µl	3 µl	4 µl	5 µl
0.50 ml	10 µl	20 µl	30 µl	40 µl	50 µl
1.25 ml	25 µl	50 µl	75 µl	100 µl	125 µl
2.50 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5.00 ml	100 µl	200 µl	300 µl	400 µl	500 µl
12.50 ml	250 µl	500 µl	750 µl	1000 µl	1250 µl
25.00 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl
50.00 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl
Steps	48	23	15	11	8

3. Inserting dispenser tips

- Push the filling slide (3) right down to the stop.
- Push the stopping lever (4) upwards.
- Exert a slight pressure to insert tips (5), which has to lock into place.
- Push the filling slide (3) down a bit, and press down the stopping lever (4), which has to lock into place in tips (5).
- Use the adjusting wheel (2) to set the required dosing volume.

4. Filling the dispenser tips

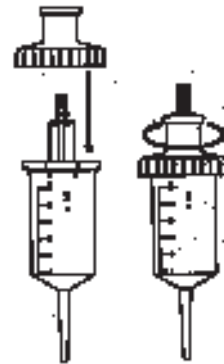
- Immerse the tip into the liquid.
- The tip is filled by slowly pushing the filling slide (3) upwards.
- Return the first dose to the reservoir.

5. Dosing

- Check the volume setting at the adjusting wheel (2).
- Place the tip of the dispenser tip at an angle to the wall of the vessel.
- Press the dosing button (1) down to the stop.

Please note:

- Tips 25 ml and 50 ml can be inserted/locked into place in the repette by means of the enclosed adapter. For this purpose, place the adapter on the tips, and fasten by turning (bayonet socket).
- Tips 0.05 ml may be used only with the pipetting tip 10 µl in its place.



Please note:

- In order to prevent a negative pressure and a saturation of the liquid with minute air bubbles when filling the tips, the filling slide has to be pushed up slowly.
- A small air bubble will have no influence on the accuracy dispensed.

- The tips do not have to be completely filled.
- Tips 0.5 ml, 1.25 ml and 2.5 ml can be used with the yellow or transparent 100 µl pipetting tips attached. Filling from vessels with narrow necks is thus facilitated, and the dosing of smaller volumes will be more precise.

Please note:

- The tips must be changed when the reagent is changed.
- Return the residual liquid into the vessel by pressing the filling slide (3) down slowly to the stop.

6. Removing the dispenser tips

- Empty the tips completely.
- Push the stopping lever (4) upwards.
- Remove the tips from the repette.

Please note:

- When the 25 ml and 50 ml tips are used, the reusable adapter can be removed from the tips, by turning anti-clockwise, after removal from the repette.

- Avoid touching the outlet when removing the tips (beware of potentially aggressive solutions). If in doubt consult your Safety Officer.

7. Maintenance

- The repette requires no maintenance. Cleaning is carried out with warm water, iso-propanol or Jenclense ref 208-079.

Please note:

- The repette must not be screwed apart!

8. Remediying failure

possible failure	reason	remedy
Tips cannot be placed	filling slide has not been pushed upwards up to the stop	push filling slide right up to the stop
stopping lever cannot be pushed down	tips have not been filled properly	remove tips again, push piston of the tips right in, push the filling slide right down to the stop
filling slide cannot be moved upwards	stopping lever has not been pushed down completely	press the stopping lever right down to the stop
dosing volume is uncertain	adjusting wheel has not locked into place	lock adjusting wheel into place

9. Technical Data

Weight: approx. 100 g

Accuracy and precision: see Table 2

Liquid: bi-distilled water

Reference temperature: 20° to 25 °C, ± 0,5°

Measurement: in accordance with German standard DIN 12 650

Subject to technical modifications

Table 2

adjustment on repette	dosing volume					imprecision in %	inaccuracy in %
	1	2	3	4	5		
number of steps	48	23	15	11	8		
0.05 ml	1 µl	2 µl	3 µl	4 µl	5 µl	< 5	< ± 2,5
0.50 ml	10 µl	20 µl	30 µl	40 µl	50 µl	< 0,7	< ± 0,8
1.25 ml	25 µl	50 µl	75 µl	100 µl	125 µl	< 0,5	< ± 0,8
2.50 ml	50 µl	100 µl	150 µl	200 µl	250 µl	< 0,4	< ± 0,8
5.00 ml	100 µl	200 µl	300 µl	400 µl	500 µl	< 0,3	< ± 0,4
12.50 ml	250 µl	500 µl	750 µl	1000 µl	1250 µl	< 0,3	< ± 0,3
25.00 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl	< 0,3	< ± 0,2
50.00 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl	< 0,2	< ± 0,2

10. Order information

See Table 3

11. Guarantee

All repettes provided with a serial number are warranted for one year (after date of purchase) by Jencons Scientific, provided the unit is handled correctly in compliance with the instructions for use. If failure cannot be removed by applying the remedial notes given, return the repette to your specialised dealer for repair or replacement.

Table 3

designation	article No.		packing unit / folding box	
Repette	488-000		1 pcs *)	
Dispenser tips	standard	sterile	standard	steril
Dispenser tips 0,05 ml	488-002	-	100 pcs	100 pcs
Dispenser tips 0,50 ml	488-003	488-004	100 pcs	100 pcs
Dispenser tips 1,25 ml	488-005	488-006	100 pcs	100 pcs
Dispenser tips 2,50 ml	488-007	488-008	100 pcs	100 pcs
Dispenser tips 5,00 ml	488-009	488-010	100 pcs	100 pcs
Dispenser tips 12,50 ml	488-011	488-012	100 pcs	100 pcs
Dispenser tips 25,00 ml	488-013	488-014	50 pcs	25 pcs
Dispenser tips 50,00 ml	488-015	488-016	25 pcs	25 pcs
Dispenser tips adapter	488-001	-	1 pcs	-

*) including 1 tips adapter, article No. 488-001, for tips 25 and 50 ml