Eppendorf Xplorer® – Short instructions

Dis and Ads modes = Dispensing and Automatic dispensing

Procedure

In the Dis and Ads modes the aspirated liquid is dispensed in defined individual steps.
The display shows the volume per step and the total number of individual steps (Steps).
The Ads mode also shows the delay between the dispensing steps (Time).
In the Ads mode the rocker is held down to perform all dispensing steps. Automatic dispensing may be interrupted by releasing the rocker.

Aspiration

<table>
<thead>
<tr>
<th>Dispensing</th>
<th>Ads dispensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
<td>1.00 µl</td>
</tr>
</tbody>
</table>

1. Press the rocker up.

Reverse stroke after aspiration

<table>
<thead>
<tr>
<th>Reverse stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>After aspiration the reverse stroke must be discarded.</td>
</tr>
</tbody>
</table>

2. Press the rocker down.

Before the first dispensing step

<table>
<thead>
<tr>
<th>Dispensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
</tr>
</tbody>
</table>

3. Press the rocker down for the first dispensing step.
In the Ads mode the rocker is held down.

Before the second dispensing step

<table>
<thead>
<tr>
<th>Dispensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
</tr>
</tbody>
</table>

4. Press the rocker down again.

Hint

To abort the Dis or Ads modes press the Empty softkey to empty liquid from the tip.

When all dispensing steps are finished:

<table>
<thead>
<tr>
<th>Dispensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
</tr>
</tbody>
</table>

5. Press the rocker up to aspirate liquid again.
Or:
2. Press the rocker down again to discard the residual liquid in the tip.
3. Eject the tip.

Dis and Ads modes = Dispensing and Automatic dispensing

These short instructions are a supplement to the operating manual and not a substitute.
Read the operating manual before using the Xplorer for the first time!
These short instructions are valid from software version 01.05.00

Power on:

- Press the rocker or a softkey.
- Then select a mode.

1 Selection dial
The arrow indicates the selected mode.
Available modes:
- Ads = Automatic dispensing
- Dis = Dispensing
- Pip = Pipetting
- P/M = Pipetting and Mixing
- Man = Manual pipetting
- Opt = Options
- Off = Power off

2 Red hardware reset button

3 Display
The display shows the selected mode, the set volume, as well as the aspiration and dispensing speed. The Counter counts each finished dispensing step in the Pipetting mode.*
The display dims during usage intervals and switches off after prolonged usage intervals.

4 Softkeys
The softkeys have variable functions. The active functions are shown in the bottom line of the display on both the left and right sides.
Press the Help softkey for additional information.

5 Rocker
The rocker is used to move the piston during dispensing operations.
During the editing procedure the selected parameter will be changed.

6 Ejector
Press the ejector to eject the pipette tip. Pressing the ejector when the tip is filled moves the piston to the basic position.*

* This feature can be switched off or on in the options.
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Option: Language selection

The language English is set by default on delivery.

1. Turn the selection dial to **Opt**.
2. Select the Language option with the rocker.
3. Open the Language option with the Select softkey.
4. Select your language with the rocker.
5. Open your language with the Select softkey.
6. To change the language, press the Yes softkey.

**Hint**

Turn the selection dial to exit the options.

**Hint: Adjustment**

A wrench in the left part of the header indicates that the factory setting has been changed.

No symbol appears in the header if the factory setting is active.

The new language is activated.

Edit Pipetting mode (Pip)

1. Turn the selection dial to **Pip**.
2. Press the Edit softkey.
3. Select the volume with the rocker.
4. Press the Next softkey to select the next parameter.
5. Select the dispensing speed with the rocker.
6. Press the Next softkey to select the next parameter.
7. Select the aspirating speed with the rocker.
8. Press the Next softkey to select the next parameter.
9. Select the new number with the rocker.
10. Press the End softkey to save the changes and to exit the edit mode.

Optional parameter: Counter indicates the number of performed dispensing steps.

**Hint**

Press the rocker in the other direction to stop the piston movement. Restart the piston movement by pressing the rocker up or down.

The pipette is ready for aspiration with new parameters.

The editing procedure is the same in all operating modes.

Eppendorf Xplorer® – Short instructions

Pipetting and Mixing mode (P/M)

Procedure

Aspiration

1. Press the rocker up.

Dispensing

2. Press the rocker down.

Blow

3. Press the rocker down.

Repeat Blow or Next aspiration

Press the rocker down
Press the rocker up

**Hint**

Editing the pipetting volume automatically changes the mixing volume. The mixing volume can be edited separately after pressing the Next softkey to reach the Mix parameter.

The display also shows the mixing volume (Mix) and the number of mixing cycles (Cycles).

Stop the mixing process:

Press the rocker up to stop the mixing process.

The Manual pipetting procedure is the equivalent of operation with a mechanical piston-stroke pipette:

- Liquid is aspirated as long as the rocker is pressed up.
- Piston movement stops when the rocker is released.
- Liquid is dispensed as long as the rocker is held down.
- Piston movement stops when the rocker is released.
- After each stop, the direction of piston movement can be changed.
- During use, the display always shows the current volume in the tip. The Max line shows the maximum aspiration volume selected during the editing procedure.

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