

Protocol II: Technical Maintenance

Equipment	PIPETTE, AUTOMATIC, ajustable vol. 0.5-10 µl (ELABPIAA0010), vol. 2-20 µl (ELABPIAA0020), vol. 10-100 µl (ELABPIAA0100), vol. 20-200 µl (ELABPIAA0200), vol. 100-1000 µl (ELABPIAA1000) (Eppendorf)
	AUTOMATIC PIPETTE, multichannel, 8 channels, 10-100µl (ELABPIAM8100), 120-1200µl (ELABPIAM81200)
Responsible	(Log) Biomedical

DISCLAIMER! This protocol was created using the user manual and previous experience. Therefore, in case of doubt, consult your Lab and/or Biomed referent.



Always use single use gloves and eyeglass protection

A	Check general condition
<p>Frequency Every 6 months</p> <p>Tools None</p> <p>Spare parts None</p> <p>Time 5 min</p> <p>1 Check the general condition of the equipment. Replace the pipette <u>if these are damaged</u>:</p> <ol style="list-style-type: none"> 1. Check the state of the pump 2. Check the state of the cover 3. Check that the measurements can be read 	
B	Functionality Test
<p>Frequency Every 3 months</p> <p>Tools None</p> <p>Spare parts ELABPIATBR- (aut.pip.) TIP, BLUE, 50-1000µl, rack (Eppdf), ELABPIATGMRF (aut.pip.) TIP DUALFILTER, 0.1-10 µl, grey rack, ster. (Eppdf), ELABPIATYR- (aut.pip.) TIP YELLOW, 2-200µl, rack (Eppdf)</p> <p>Time 5 min</p> <p>1 Check the basic functionality:</p> <ol style="list-style-type: none"> 1. Put the corresponding tip on the pipette. 2. Try to pipette a sample liquid. 3. Check that: <ol style="list-style-type: none"> a. the plunger can be pressed down with no problem. b. the pipette suctions the liquid and does not clog. 	

4. Pipette calibration (once a year):

- a. If the location has access to an available lab that can calibrate the pipette, send them to calibrate once a year.
- b. Otherwise, replace the pipette for a new one every 2 or 3 years.
- c. For the 8 channels pipette, check that the 8 channels pipette the same quantity of liquid (meaning that the level of the pipetted liquid must be the same in the 8 channels).