

# PIPETTE PROBLEM DETERMINATION

Symptom	Possible cause	Remedy
The tip cannot be ejected.	The nozzle cylinder has come loose.	Try to screw the nozzle cylinder firmly into the body again.
The instrument fails to extract liquid.	The filter has soaked up liquid (1000 ul or more).	Replace the filter with a new one (supplied as a standard accessory, or purchase an optional filter set for replacement).
	The O-ring and seal ring are assembled in the wrong order.	Reset the O-ring and seal ring set according to the instructions in "Disassembling / reassembling".
Extracted liquid leaks from the tip.	The O-ring or/and seal ring set are worn.	Purchase an optional O-ring and seal ring set for replacement.
	The nozzle cylinder has come loose.	Screw the nozzle cylinder firmly into the body again.
	The nozzle cylinder is worn (stepped wear can be checked by eye).	Purchase an optional nozzle cylinder for replacement.
	The plunger is damaged or rusty, the O-ring and seal ring set is worn.	Purchase an optional O-ring and seal ring set for replacement.
	The tip is loosely attached.	Try to attach the tip to the nozzle tightly again.
	The push button operates poorly.	Liquid has been sucked into the main body.

If there is still something wrong with the instrument after checking the above-mentioned, immediately stop using the instrument and ask us or our agent to repair it. Before bringing the instrument for repair, be sure to check whether it has been polluted with microbes or matter harmful to humans.