



Omega Pipettor

Operating Instructions



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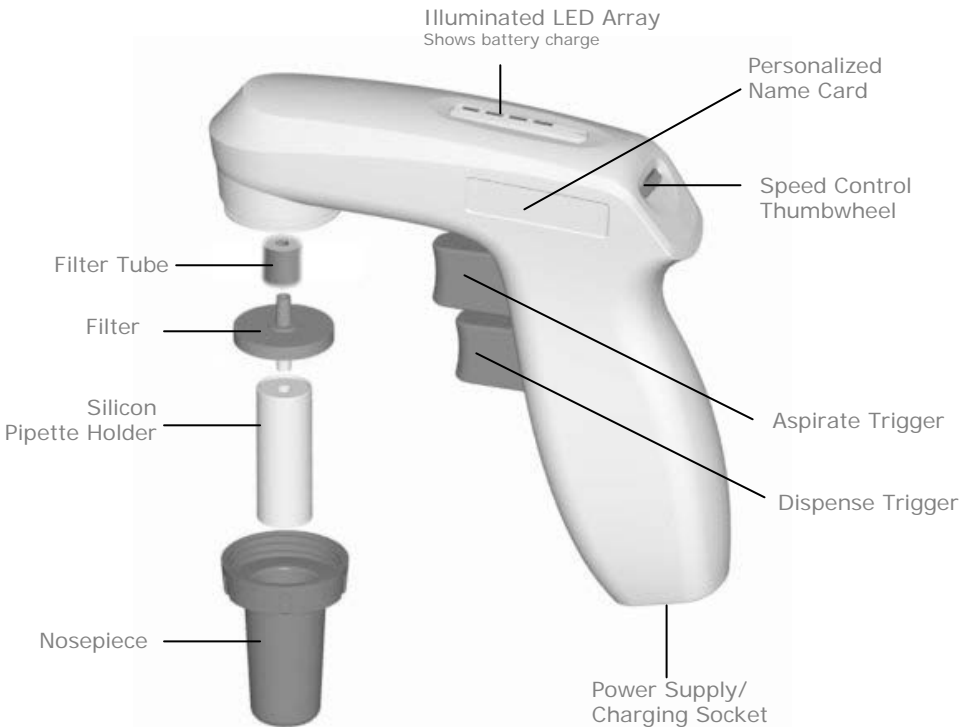
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Product Overview



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Product Description

Thank you for your recent purchase of the Argos Omega™ Pipettor, the last serological pipettor you will ever need! The Omega Pipettor is a portable, lightweight and ergonomic unit for use with plastic or glass pipettes from 1-100mL. Its balanced design and contoured buttons help prevent hand fatigue even after hours of use. With its unique UV resistant plastic housing it is the pipettor of choice for use in laminar hoods or other locations exposed to UV light.

Note: Please be sure and read the safety and operating instructions before use. Also, when performing the pipetting function, observe all laboratory safety guidelines including the use of protective clothing, safety goggles and gloves when handling biological samples or chemicals: Never Mouth Pipette!

Package Contents

- Omega Pipettor
- Universal Power Supply
- Wall Mount
- Name Labels to Personalize Pipettor
- Warranty Registration Card
- Instruction Manual
- Argos Utility Knife

Materials and Specification

Battery:	6.5V Lithium Ion
Battery Charging Time:	2 Hours
Battery Life:	
Weight:	
Filters:	Standard: 0.45µm PTFE Barrier: 0.8 / 0.45µm Hydrophobic/Hydrophilic
Hand Case:	proprietary UV-resistant Resin
Nosepiece:	ABS
Pipette Holder:	Silicone

WARRANTY INFORMATION

Omega 1 Year Warranty

Argos Omega Pipettor is warranted to be free of defects in materials and workmanship for a period of 12 months from the date of purchase, providing that:

- The unit has not been opened or attempted to be opened by the end user
- The user ensures that it has been carefully cleaned and decontaminated
- The unit has been operated according to the instructions and not in any improper way.

In order to qualify for warranty repair; the customer must return the warranty card supplied with the unit that includes all of the information required to validate proof of purchase. Should warranty service be required, repair or replacement will be provided by Argos without charge. Freight shipping the unit to Argos will be the responsibility of the purchaser. There are no other warranties or guarantees, implied or otherwise expressed including any warranties of application or merchantability.

Repair Service

Should your Omega Pipettor require service or repair, please contact Argos Technologies customer service. They will issue a Return Authorization Number and advise on the proper packaging and method of shipment.

Customer Service: in US: 800-886-8675 outside US: 847-622-0456

**Argos Technologies, Inc.
1551 South Scottsdale Court
Suite 200
Elgin, IL 60123
Attn: Technical Service**

Be sure to list your RA number on the shipping label.

Please use the same numbers listed above, should you require any technical assistance or support.

Getting Started

Preparation for Use

Prior to operating your Omega Pipettor, you need to charge the battery by plugging the power supply into a standard electrical source and the power jack into the socket in the base of the pipettor handle. You will need to charge the battery for 2 hours for a full charge. You cannot overcharge the battery.



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The Omega Pipettor is equipped with an LED display that is activated during use. When all five lights are lit, the pipettor is fully charged. As the battery begins to lose its charge, the illuminated lights are reduced by one for every 20% loss of battery life. When only one bar remains illuminated, representing 20% battery power, the pipettor should be recharged. You can recharge the battery at any time without damage.

Our unique Lithium ION battery is guaranteed for three years without being replaced, unlike Nickel Cadmium or Nickel Metal Hydride batteries typically provided.

Operating the Pipettor

- Place the Pipette firmly into the nosepiece to ensure a secure fit.



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- Using the continuously adjusting thumb wheel, you can control the speed of the aspiration or dispensing of your sample (dial turned left = slower, dial turned right = faster). This allows the operator to adjust the speed depending on the size of the pipette and the viscosity of the sample.
- To aspirate, press the top button. The intensity of finger pressure on the button regulates the actual working speed.
- To dispense, depress the bottom button to achieve the reverse effect. By using variable pressure on the aspirating and dispensing buttons, you can easily control the meniscus in the pipette.

Operating Conditions

Operating Temperature:	+10 - +40°C
Relative Humidity:	10 – 90% (no condensation)
Altitude:	0 – 2,500 m

Maintenance, Care and Safety Precautions

WARNING!!

Before cleaning disconnect Pipettor from the power supply. Never clean the power supply or immerse the Pipettor in water.

Safety Precautions

- Never use with highly flammable or corrosive liquids
- Ensure the current of your electrical source matches the voltage of the charger unit. Only use the adapter supplied with the unit.
- When changing the filter, wear protective gloves to prevent accidental contamination.

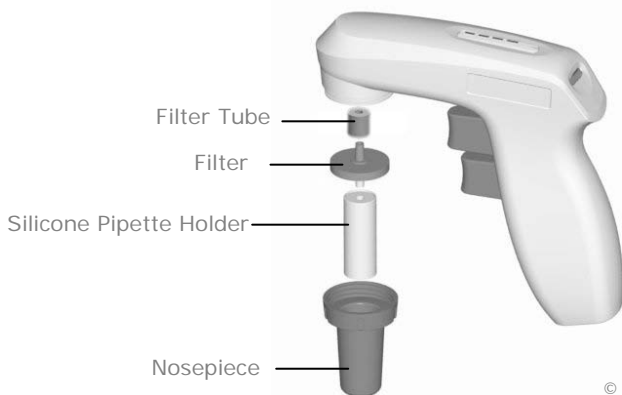
Do not open the Pipettor housing as it will void warranty.

Maintenance

Replacement of Filter:

Turn the nosepiece counter clockwise until the nosepiece is separated from the pipettor. Remove the filter from the silicon pipette holder and the filter tube. Dispose of the filter and replace with a fresh one.

The filter should be replaced every three months or when the filter is contaminated by liquid or the suction capacity is slowed. **Note: Only use Omega replacement filters to guarantee a proper seal.**



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***Never operate the Omega Pipettor without a filter.**

Cleaning and Care

The Omega Pipettor can be cleaned with most common laboratory disinfectants, including isopropanol. Never use aggressive organic solvents.

The nosepiece can be autoclaved at 121°C, **with the exception of the filter**. Follow the procedure under "Replacing the Filter" to remove the filter prior to sterilization.

Trouble Shooting

Problem	Possible Cause	Remedy
Slow Aspiration	Filter Blocked	Replace Filter
Slow Aspiration	Battery Low	Recharge Battery
Pipette Drips	Pipette not secure in holder	Re-insert Pipette into Pipettor
Pipette Drips	Pipettor Mount Damaged or Worn	Replace Pipettor Mount

Note that there are no user serviceable parts inside of the unit.

Replacement Parts Ordering Information

Omega™ Pipettor

Part No.	Description
P5000	Omega Pipettor, Grey
P5015	Omega Pipettor, Green
P5016	Omega Pipettor, Red
P5017	Omega Pipettor, Blue
P5018	Omega Pipettor, Clear
P5019	Omega Pipettor, Purple
P1020	Silicone Pipette Holder
153 015	Sterile Filters (0.45µm) 10/PK
153 014	Non Sterile Filters (0.45µm) 10/PK
153 017	Barrier Filters (0.45 / 0.8µm) 10/PK
P3225	Pipettor Mount
P5025	Nosepiece – Red
P5070	Nosepiece – Grey
P3010	Battery Charger
P1005	Pipettor Wall Mount
P5022	Personalized Name Card

Chemical Compatibility Guide:

R:	Recommended	PA:	Polyamide				
O:	Test advised	POM:	Polymethlenoxid				
L:	Limited resistance	NBR:	Nitril – rubber				
N:	Not recommended	CR:	Chloroprene (Neoprene)				
		MQ / MVQ:	Silicon - caoutchouc				
		FPM:	Fluor – caoutchouc (Viton)				

	PA	POM	NBR	CR	MQ / MVQ	FPM
Acids						
Hydrochloric acid 10%	L	L	O	R	L	R
Hydrochloric acid conc.	N	N	L	L	L	O
Nitric acid 10%	L	L	N	O	N	O
Nitric acid concentrated	N	N	N	L	N	O
Alcohols						
Butanol	R	R	R	R	O	R
Ethanol	O	R	O	R	O	O
Methanol	O	R	O	O	R	L
Amines						
Aniline	O	O	L	L	O	R
Dimethylformamide	R	R	L	O	R	L
Bases						
Ammonium hydroxide 25%	R	L	O	R	O	L
Sodum hydroxide	R	L	O	R	L	O
Hydrocarbons						
Hexane	R	R	R	L	O	L
Tuloene	R	R	N	N	N	R
Xylene	R	R	N	N	N	R
Dioxane	R	O	N	N	N	L
Dimethylsulfoxide	N	N	N	N	N	N
DMSO						
Halogenated Hydrocarbons						
Carbon tetrachloride	R	R	L	N	N	R
Chloroform	O	L	N	N	L	O
Methylene chloride	O	O	N	N	N	L
Ketones						
Acetone	R	O	N	O	L	N
Methyl ethyl ketone (butanone)	R	R	N	N	N	N

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