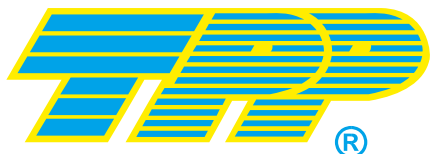


Instructions



SEROLOGICAL PIPETTES



OPERATING INSTRUCTIONS

Either tear open or push through the paper/plastic wrapping and place the mouthpiece into the pipetting-aid, keeping the pipette inside its external wrapping to avoid contamination.

With the pipette in position, hold the aid and then remove the wrapping. To ensure a secure fit of the mouthpiece in the pipetting-aid, check the rubber cone in the aid and replace if necessary.

Fill the pipette to the required volume. Accuracy is best assured when the pipette is held vertically in front of the eye and the volume measured at the base of the meniscus.

ADVICE

Serological pipettes are designed for the dispensing of liquids. The volume flowing out of the pipette corresponds to the graduated volume measurement.

Blowing out of the last drops: do not use the mouth; always employ the pipetting-aid to fill and to dispense.

TECHNICAL DATA

Material:	PS							
Product No.	94001	94002	94005	94010	94024	94525	94550	
Volume:	1.0ml	2.0ml	5.0ml	10ml	25ml	25ml	50ml	
Dimensions: Diameter	4.8mm	5.5mm	9.5mm	11mm	16mm	13.5mm	18.5mm	
Length	270mm	270mm	295mm	295mm	300mm	345mm	345mm	
Maximum deviation of the graduation: +/-2% of measured value.								



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GENERAL INFORMATION

These instructions are an integral part of our product range. Please read them through carefully before using any product.
 Further information can be found in our product catalogue as well as under www.tpp.ch
 Please contact your appointed dealer in case of difficulty concerning any product.

Application

All products are for laboratory use only and may only be used by qualified personnel. The products are not allowed to be used for direct applications on humans. Personal use by unqualified people is forbidden. All products are for single usage only, i. e. not reusable. Exception: Racks can be autoclaved for multiple use.

Certification

All products are free from pyrogenics (LAL-test: <0.06EU/ml).
 Pipettes, tissue culture flasks with peel-off lids, and syringe filters: <0.5EU/ml (LAL-Test)
 All products are free from RNA, DNA, RNases and DNases
 All products, packaging materials and colorants are free from heavy metals

Sterility / Packaging

All products are gamma-sterilised. The sterility is maintained indefinitely as long as the packaging remains unopened and free from visible defect. Opening of the packaging at the indicated points and removal of content shall be done in a sterile environment (laminar flow). Opened packets shall be stored under sterile conditions. Factors such as direct sunlight, moisture and large temperature change can impair sterility.

Temperature Restrictions

The application temperature is physically limited and varies dependent upon the base material. The following general temperature data can deviate dependent upon the specific product.

	PE	PP	PS
Permanent exposure (max.T)	70 - 80°C	100 - 110°C	60 - 70°C
Short exposure 15min (max.T)	80 - 100°C	120 - 140°C	75 - 80°C
Permanent exposure (min.T)	-40°C	-190°C	-30°C

Chemical Resistance

The chemical properties are those of the base materials and may be found under www.tpp.ch

Storage

The products shall be stored in a dry environment and away from sunlight at between +5 to +40°C.

Shelf life

Please note the expiry date on the package label. Products shall not be used after this date.
 Example: EXP 12/2009 - can be used up to December, 2009.

Fracture risk



Products made from Polystyrene are hard and brittle. They can be damaged even by a fall from moderate height. Products in PP are not so brittle but can change their shape; please use only optically perfect products. The presence of cracks or deformity can inhibit the function of the product and could endanger your safety. The result might be the injury and contamination of people as well as contamination of laboratory equipment.

Disposal

Contaminated products may only be disposed of according to the specific rules of the given country (usually require sterilisation before disposal). Non-contaminated products can be disposed of as usual household trash.

Guarantee-Reference

The products are to be used according to the instructions. When correctly used, the manufacturer offers a product guarantee up to the expiry date. Further guarantee claims are specifically excluded. The guarantee claim must be made without delay; otherwise the claim becomes invalid. Opinions, comments and/or promises given or made by a sales representative are in no way binding on the manufacturer. The decision to either reimburse the purchase price or to replace the product lies solely with the manufacturer.