



LP ITALIANA SPA

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TECHNICAL DATA SHEET PASTEUR PIPETTES

LP Pasteur Pipettes are made of a special inert and water-repellent low-density polyethylene for better transparency, smooth and compact surface.

LP Pasteur Pipettes have a perfect capillary graduation. Each pipette has a different graduation specific for each application.

A uniform wall thickness, the internal capillary diameter and a new technological feature resulting in a perfectly cut and calibrated tip, allow precise liquid dispensing.

LP Pasteur pipettes provide maximum operator safety by eliminating the need for mouth aspiration and the high risk of contamination due to breakage.

Even if mouth aspiration is not used, broken or cracked glass Pasteur pipettes may easily cause small hand lesions, an easy access for germs. Breakage of Pasteur pipettes containing infective material can lead to considerable contamination of the surroundings, greatly increasing the chance of hand-to-mouth and hand-to-eye infection.

Moreover the absence of a rubber bulb eliminates definitely the possibility of crossed contamination between samples and grants maximum safety during sampling of delicate microbiological samples.

Pasteur pipettes are therefore the ideal solution in the reduction of contamination risks.

Pasteur pipettes have a broad range of applications wherever there is a need for transferring small or very small liquid quantities, without operator risk. Examples of Pasteur pipette applications are indicated in Table A.

Table A

Clinical-Chemistry	Bacteriology
Acidification and alkalization (Urine's acetic acid, etc...)	Sterility samples
Additions of reactives (silver nitrate for chloride, barium chloride for sulphates, ferrous chloride for phenols chromatic reactions, reagents for nitrates, reagents for biochemical reactions, etc...)	Biochemicals reactions (oxidase, catalase, indicators on chapmans cultures Chapman, IMViC test, etc...)
Area reactions	Addition of enrichments to bouillon culture
Stuffing of cells for spectrophotometry	Ph mending
Colouring agent distribution (May Gruenwald – Giemsa, Papanicolau, etc..)	Diluting of microbial suspensions
Distribution of solutions on plates	Colouring agent distribution for bacteriology
Preparation of dangerous reactives (bromide of cyanogens, etc..)	Germs washing through centrifugations
Solvents addition during precipitate washings	Distribution of inoculum in test tubes
Supernatant sampling	Impregnation of reagent disks
Addition of fixation liquids on preparations	Serologic reactions

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LP Pipettes Pasteur type are manufactured with a polyethylene which is free of phthalates and chlorineparaffins. They are therefore suitable for the use in all the biochemicals checking tests typical of the agroindustry productions (fruit juices, dairy industry, etc.)

PE Pasteur Pipettes have, at room temperature, a high chemical inertia and therefore result completely insoluble with solvents.

Hydrocarbons lightly swell polyethylene, but for short contact periods they do not harm nor prevent from using the product.

The performance of Pasteur pipettes is also good under normal freezing in liquid nitrogen: they get brittle, but without self-cracking.

They can crack or break at -75°C if they are dropped against hard surfaces.


These are only a few applications. Many others can be found during routine laboratory use.

Sterilization: where applicable, LP Pasteur pipette are sterilized by irradiation with ionizing radiation in conformity of one validated method, according to ISO 11137-1:2006 / ISO 11137-2:2012 which assure 10^{-6} SAL (Sterility Assurance Level), guaranteed till opening of the packaging. Five-year "shelf life", packed in sealed bags.

Intended use and CE mark: LP Pasteur pipettes here described can be used for general purposes intended within a lab, but LP indicates as their main intended use the transportation of fluids derived from the human body for the purpose of providing information concerning a physiological or pathological state of one patient, furthermore, where applicable, having a special microbiological state (indicated by STERILE R mark) they fall under the European Directive 98/79/CE – Annex III - on In Vitro Medical Diagnostic Devices (IVMDD), according to which they bear the conformity **CE** mark.

Disposal: LP Pasteur pipette are totally recyclable; can also be incinerated while respecting antipollution norms because, after burning, they liberate, in the environment, water and carbon dioxide only (combustion performed at right temperature and with correct air insufflation).

Table B displays the main features and standard packing of LP Pasteur pipettes.


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Table B

Length (mm)	63	87	83	150	150	150	230
Capillary diameter (mm)	2,5	4	2,5	2,5	5	7,8	5
Total capacity (ml)	1,5	2	4	4	5	7	6
Graduation (ml)					0,25 - 05 0,75 - 1	0,5 - 1 - 1,5 2 - 2,5 - 3	0,25 - 0,5 - 0,75 1 - 1,25 - 1,5
Drop capacity (drops / ml)	30	30	30	30	30	26	21
Code	132030	133030	134030	136030	137030	135030	139030
Sterility	Non sterile						
Internal packing (pcs per box)	500	1.000	600	500			400
External packing (pcs per case)	3.000	6.000	4.800	4.000			3.200
Code	132038	133038	134038	136038	137038	135038	139038
Sterility	YES*						
Internal packing (pcs per box)	20						
External packing (pcs per case)	1.500		1.000				
Code						135538	
Sterility						YES*	
Internal packing (pcs per box)						5	
External packing (pcs per case)						1.000	
Code	132138	133138	134138	136138	137138	135138	139138
Sterility	YES*						
Internal packing (pcs per box)	Single wrapped in peelable blister / easy opening						
External packing (pcs per case)	1.000						

* *Irradiated.*

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