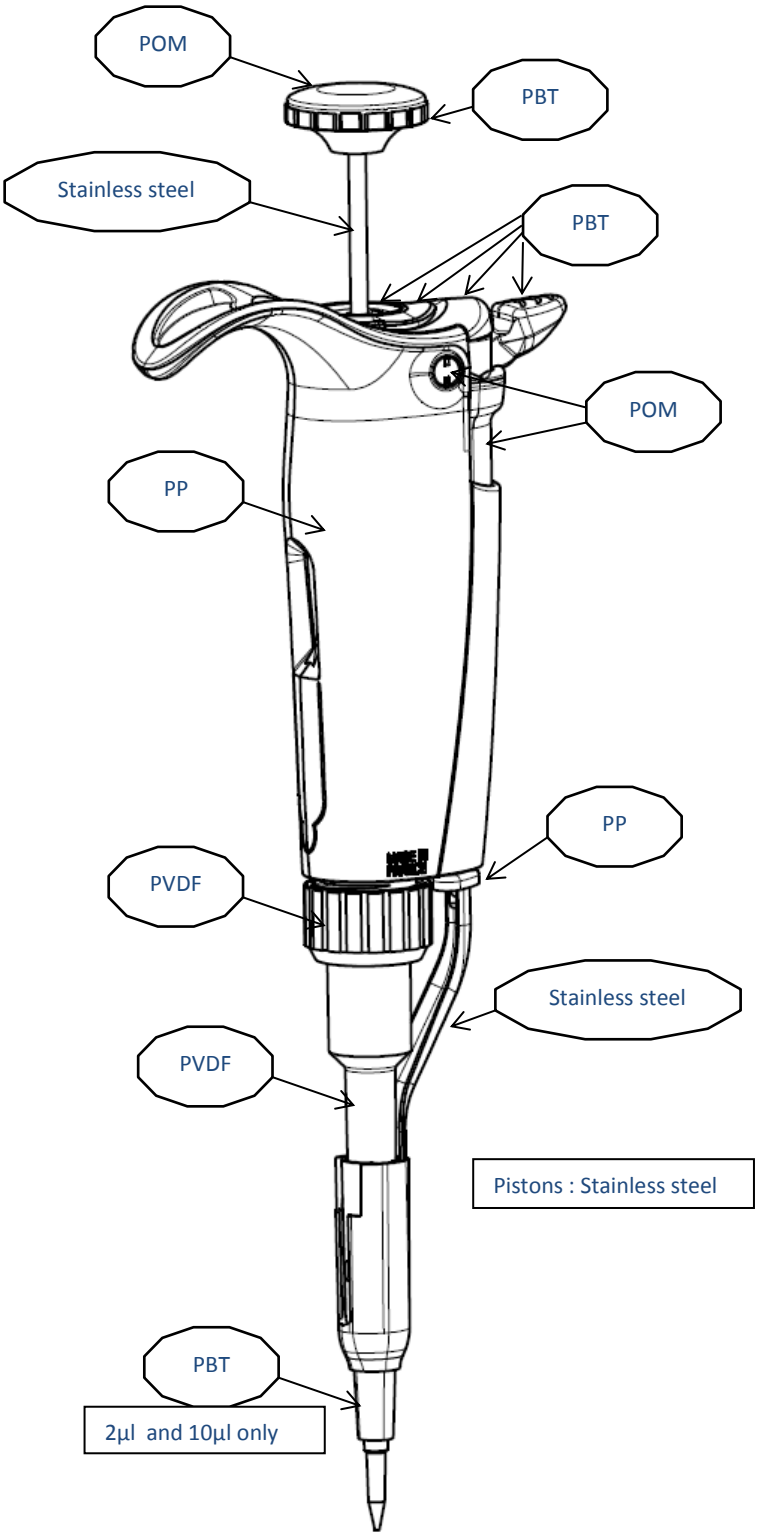
Parts - Materials and compatibility

LLG-pro*MLP* Microliter Pipettes

models 2µl /10 µl /20 µl /100 µl/200 µl /1000 µl

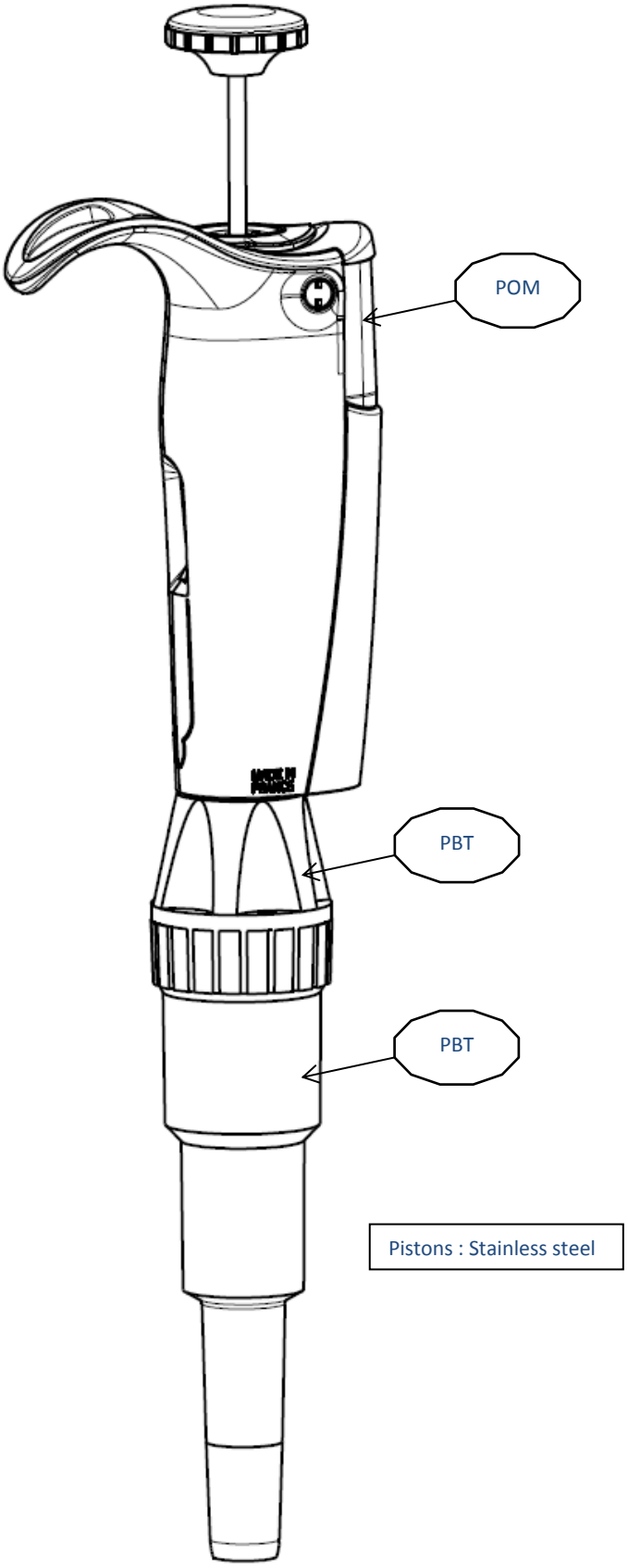


PBT	PolyButylène Terephthalate
PC-PBT	PolyCarbonate - PolyButylène Terephthalate
POM	Polyformaldehyde
PP	PolyPropène
PVDF	PolyVinyliDineFluoride

Parts - Materials and compatibility

LLG-pro*MLP* Microliter Pipettes

models 5000 µl /10000µl



Product		Steel	PET	Nitril	EPDM	LCP	PA	PBT	PC	PE	PVDF	TPX	POM	PP
Acetamide		++	N/A	++	++	N/A	++	N/A	N/A	++	N/A	N/A	++	++
Ethyl acetate		++	+	-	++	++	++	++	++	++	++	+	N/A	++
Acetone		++	+	-	++	++	++	++	-	++	++	+	+	++
Acetonitrile		++	N/A	+	++	+	N/A	N/A	-	++	+	N/A	N/A	++
Acetic acid	20%	++	++	+	++	++	++	N/A	++	++	++	++	++	++
	50%	++	++	+	++	++	-	N/A	+	++	++	++	++	++
	100%	++	++	-	++	+	-	N/A	-	++	++	+	+	++
Hydrochloric acid	10%	-	++	++	++	++	-	++	++	++	++	++	++	++
	20%	-	+	+	++	++	-	+	++	++	++	++	+	++
	37%	-	-	-	++	++	-	-	+	++	++	++	-	++
Hydrofluoric acid	20%	+	+	-	++	+	-	+	++	++	++	++	+	++
	40%	-	+	-	++	-	-	-	+	++	++	++	+	++
Formic acid	100%	++	N/A	-	++	++	-	+	-	++	++	N/A	+	++
Nitric acid	10%	++	++	+	++	++	-	++	++	++	++	++	+	++
	30%	++	+	-	+	++	-	+	++	++	++	++	-	+
	65%	++	-	-	-	+	-	-	+	+	+	++	-	-
Phosphoric acid	20%	++	N/A	+	++	N/A	-	++	++	++	++	++	+	++
	85%	++	N/A	-	++	N/A	-	++	++	++	++	++	-	++
Propionic acid	50%	++	-	+	N/A	N/A	++	++	+	++	++	N/A	-	++
	100%	++	-	-	N/A	N/A	+	++	-	++	++	N/A	-	++
Sulfuric acid	20%	++	++	+	+	++	+	++	++	++	++	++	+	++
	50%	++	++	-	+	++	-	+	++	++	++	++	-	++
	95%	++	+	-	-	-	-	-	+	+	+	++	-	+
Trifluoroacetic acid	20%	++	N/A	-	N/A	N/A	+	N/A	++	++	++	N/A	++	++
	80%	++	N/A	-	N/A	N/A	-	N/A	+	++	++	N/A	+	++
	100%	++	N/A	-	N/A	N/A	-	N/A	-	++	++	N/A	-	++
Benzyl alcohol		++	++	-	N/A	N/A	+	N/A	-	++	++	++	-	++
Aniline		++	-	+	++	N/A	++	N/A	-	+	++	N/A	+	++
Butanol / Butyl alcohol		++	++	++	++	N/A	++	++	++	++	++	N/A	++	++
Chloroform		++	-	-	-	N/A	+	-	-	+	++	+	+	-
Cyclohexane		++	++	++	-	N/A	++	N/A	++	++	-	+	++	+
Diacetone alcohol		++	++	+	N/A	N/A	N/A	N/A	N/A	N/A	+	N/A	N/A	++
Methylene chloride		++	+	-	-	N/A	-	-	-	+	++	++	++	+
Diethylene glycol		++	N/A	++	++	++	N/A	N/A	N/A	++	++	++	++	++
Dimethylformamide (DMF)		++	++	-	+	++	++	++	-	++	-	++	++	++
Dimethylsulfoxide (DMSO)		++	N/A	-	N/A	N/A	+	N/A	-	++	N/A	N/A	N/A	N/A
Dioxane (1,4)		++	++	-	+	N/A	++	++	-	++	+	N/A	++	+
Ethanol		++	++	++	++	++	++	++	++	++	++	++	++	++
Ether		++	++	++	+	N/A	++	++	++	+	++	+	++	++
Formaldehyde		++	++	++	++	N/A	++	N/A	++	++	++	++	++	++
Hexane		++	N/A	++	-	+	++	++	++	+	++	+	++	++
Hydrogen peroxide	50%	++	N/A	+	++	N/A	++	++	++	++	++	++	++	++
Ammonium hydroxide	20%	++	++	++	++	N/A	N/A	+	-	++	N/A	++	++	++
Sodium hydroxide	10%	++	+	++	++	++	++	+	-	++	++	++	++	++
	40%	++	-	+	++	++	++	+	-	++	++	++	++	++
Sodium hypochlorite	15% Cl	+	N/A	+	++	++	++	++	++	++	++	++	-	+
Methanol		++	++	++	++	+	++	++	+	++	++	++	++	++
Methyl ethyl ketone		++	++	-	+	++	++	++	-	++	-	+	+	++
Pentane		++	N/A	++	-	N/A	N/A	N/A	++	++	++	+	++	N/A
Tetrahydrofuran (TH-)		++	++	+	+	+	++	+	-	-	+	+	N/A	+
Urea		++	++	N/A	N/A	-	++	++	N/A	++	++	N/A	++	++

PET = Polyethylene Terephthalate
Nitril = Nitril
EPDM = Ethylene Propylene
LCP = Liquid Cristal Polymer
PA = Polyamide
PBT = Polybutylene Terephthalate
PC = Polycarbonate
PE = Polyethylene
PVDF = Polyvinylidene fluoride
TPX = Polymethylpentene
POM = Polyoxymethylene
PP = Polypropylene

++ No chemical degradation
+ Medium resistance to chemical agents
- Low resistance to chemical agents
N/A No data available