

SYRINGE SELECTION QUESTIONNAIRE

Crucial parts of syringes







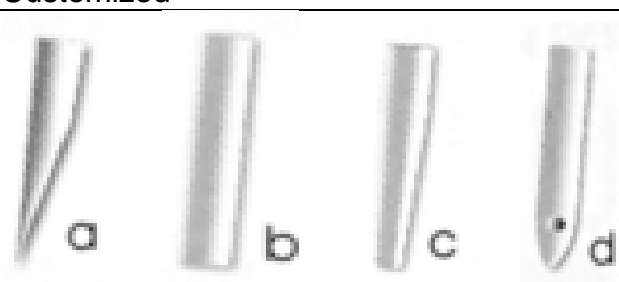
1) Customer Details

Name:	
Company:	
Department:	
Address:	
Post Code / State/ City	
Phone Number:	
Fax Number:	
Email:	

2) Syringe Requirements for Manual Dosing:

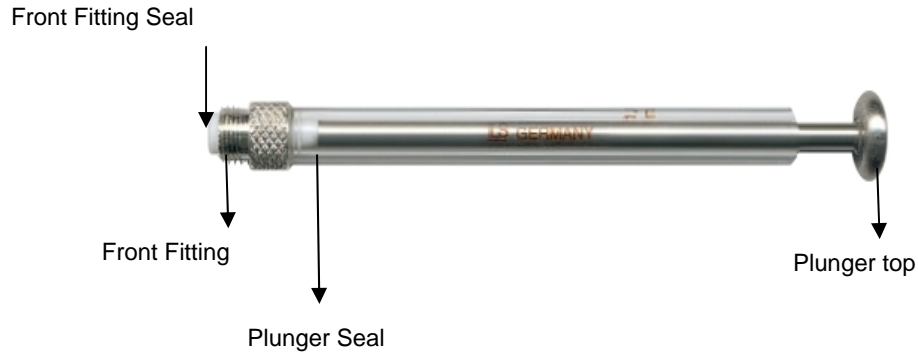
Please complete all fields!

a) Function:	
Dosage of Liquids	YES / NO / NA (delete as applicable)
Dosage of Liquids and Gas	YES / NO / NA (delete as applicable)
b) Size Requirements	
Volume (µl)	
Stroke (mm)	60mm standard (long) 30mm (short) 54mm (old USA) Customized
b) Needle Requirements:	
Fixed	YES / NO / NA (delete as applicable)
Removable	YES / NO / NA (delete as applicable)
No Needle	YES / NO / NA (delete as applicable)
c) Needle Design:	
ILS Fitting (cannula seals in the glass barrel)	YES / NO / NA (delete as applicable) 
Hamilton Fitting (cannula seals at the front of the glass barrel)	YES / NO / NA (delete as applicable) 
Luer Fitting	YES / NO / NA (delete as applicable)
Metal Luer (NLL)	YES / NO / NA (delete as applicable) 
Plastic Luer (KNLL)	YES / NO / NA (delete as applicable) 
OD (mm); special	
ID (mm); special	


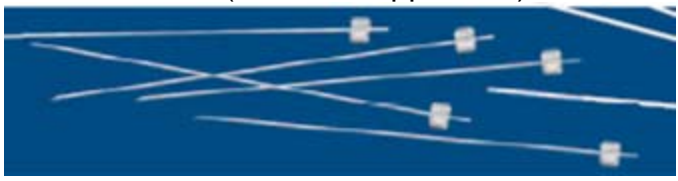


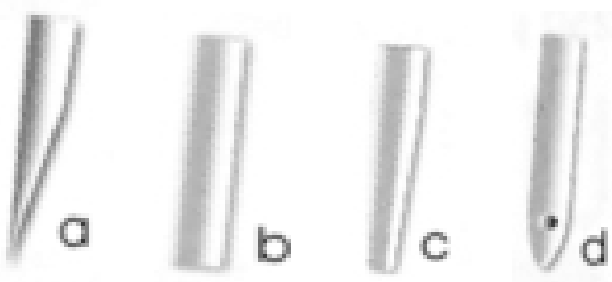
Gauge (standard dimensions)	10 / 11 / 12 / 13 / 15/ 16 / 17 / 18/ 19 / 20 / 21 / 22 / 22s / 23 / 24 / 25 / 26 / 26s / 27 / 29 / 30 / 32 / 33 YES / NO / NA (delete as applicable)
Length (mm)	51mm standard Customized
Tip Style	
Special tip style, Please describe or attach a drawing	
d) Syringe Plunger Style:	
SS only	YES / NO / NA (delete as applicable)
Titanium only	YES / NO / NA (delete as applicable)
SS with PTFE- seal	YES / NO / NA (delete as applicable)
Titanium with PTFE-seal	YES / NO / NA (delete as applicable)
PEEK with PTFE-seal	YES / NO / NA (delete as applicable)
Titanium with other seal	YES / NO / NA (delete as applicable)
PEEK with other seal	YES / NO / NA (delete as applicable)
SS with adjustable tip	YES / NO / NA (delete as applicable)
SS to run inside needle	YES / NO / NA (delete as applicable)
Extended handle	YES / NO / NA (delete as applicable)
Stop volume (µl)	YES / NO / NA (delete as applicable)

3. Syringe Requirements for Automated Systems:

Please complete all fields!



a) Function:	
Autosampler / Liquid Handler Model / Brand	
Temperature Range	
b) Media to be handled:	
Buffers / Typ / Concentration	
Acids / Typ / Concentration	
Bases / Typ / Concentration	
Alcohols	
Aromatics	
Solvents / Typ/ Concentration	
Other Liquids	
Viscosity	
c) Size Requirements:	
Volume (µl or ml)	
Stroke	60mm 30mm Customized
d) Needle Requirements:	
Fixed	YES / NO / NA (delete as applicable)
Removable	YES / NO / NA (delete as applicable)
No Needle	YES / NO / NA (delete as applicable)

e) Needle Design:	
ILS Fitting (cannula seals in the glass barrel)	YES / NO / NA (delete as applicable) 
Hamilton Fitting (cannula seals at the front of the glass barrel)	YES / NO / NA (delete as applicable) 
Luer Fitting	YES / NO / NA (delete as applicable)
Metal Luer (NLL)	YES / NO / NA (delete as applicable) 
Plastic Luer (KNLL)	YES / NO / NA (delete as applicable) 
OD (mm)	
ID (mm)	
Gauge	10 / 11 / 12 / 13 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 22s / 23 / 24 / 25 / 26 / 26s / 27 / 29 / 30 / 32 / 33 YES / NO / NA (delete as applicable)
Length (mm)	
Tip Style	
Special tip style, Please describe or attach a drawing	

f) Syringe Barrel Termination Style - Front Fitting Material:	
PEEK	
PTFE	
PCTFE	
PVDF	
PP	
g) Front Fitting Shape:	
ILS Fitting	
Hamilton Fitting	
Luer Fitting	
Glass Luer	
PTFE Luer	
¼" – 28 UNEF	
¼" – 28 UNF	
M10	
M8 x 0,75	
¼" – 32 UNEF	
GPC M8 x 1	
M6	
Other (please specify)	
Side Connection	
h) Front Fitting Seal:	
Stainless steel	
Brass	
PEEK	
PVDF	
PTFE	
i) Syringe Barrel Top Style:	
Static PTFE seal	YES / NO / NA (delete as applicable)
Lockable plunger position	YES / NO / NA (delete as applicable)
Removable plunger required	YES / NO / NA (delete as applicable)
j) Plunger Seal:	
PTFE	
PTFE- silicon	
PE- HD	
PTFE- black	
PE-UHMW	
TFM™-PTFE	
Sealing Rings	
Flat Top	
Conical Top	
ZVD (Dead Volume Reducer)	
Other Requirements	

k) Syringe Plunger Style:	
SS only	YES / NO / NA (delete as applicable)
SS with Seal	YES / NO / NA (delete as applicable)
SS with adjustable tip	YES / NO / NA (delete as applicable)
SS to run inside needle	YES / NO / NA (delete as applicable)
Flexible plunger – Hi- Res	YES / NO / NA (delete as applicable)
Plunger stop	YES / NO / NA (delete as applicable)
Stop Volume (µl or ml)	YES / NO / NA (delete as applicable)
Guided plunger	YES / NO / NA (delete as applicable)
Removable needle	YES / NO / NA (delete as applicable)
l) Syringe Plunger Top Style:	
Standard without thread	
Standard with thread (please specify):	
Without securing screw	
With securing screw	
Others	

4. Application for Syringe Use:

Please supply full details below of the application for which the syringe is required, to include nature of the samples / solvents to be used and work flows.