

**100 µL, Model 1710 N SYR,  
Cemented NDL, 22 ga, 2 in,  
point style 3T**

Specification Sheet (Part/REF # 81050)



The needles on Thin Layer Chromatography (TLC) syringes are coated from the point for 3/4" with a PTFE-coating. The coating reduces the surface tension between the needle and the liquid making it ideal for reproducible sample spotting.

## Product Specifications

<b>Volume</b>	100 µL
<b>Syringe Type</b>	Gastight
<b>Syringe Series</b>	1700
<b>Termination</b>	Cemented Needle (N)
<b>Needle</b>	Cemented Needle
<b>Gauge</b>	22 gauge
<b>Point Style</b>	3T
<b>Needle Length</b>	2 inch (51 mm)
<b>Fluid Path</b>	SST, borosilicate glass, PTFE
<b>Autoclavable</b>	No
<b>Gas Sterilizable</b>	Yes
<b>Pressure</b>	1000 psig (68.9 bar)
<b>Maximum Temperature</b>	50°C / 122°F
<b>Minimum Temperature</b>	10°C / 50°F
<b>Barrel Inner Diameter</b>	0.057 inches (1.46 mm)
<b>Barrel Outer Diameter</b>	0.305 inches (7.75 mm)

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<b>Needle Inner Diameter</b>	0.0161 inches (0.41 mm)
<b>Needle Outer Diameter</b>	0.0283 inches (0.72 mm)
<b>Std Needle Dead Volume</b>	6.81 $\mu$ L
<b>Sales Quantity</b>	1 syringe per pack

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Specifications are subject to change without notice

**Spec. Version B**

<https://www.hamiltoncompany.com/laboratory-products/syringes/81050>