











PROBE REFERENCE GUIDE

Gilson offers many different types of probes, probe tips and coatings to meet any and all application needs providing solutions for all liquid handling requirements.

TIP DESIGN		DESCRIPTION	FEATURES
Flat		The tip is cut perpendicular to the length of the probe.	Aspirates the last drop of liquid Does not pierce septum No injection
Constricted		The tip of the probe has a smaller outer diameter than the rest of the shaft. Constricted-tip probes accommodate unique tip designs optimizing every application.	Compatible with injection ports
Beveled		The tip is cut at an angle, leaving a bevel.	Sharp tip enables septum-piercing Compatible with injection ports
Spring Loaded		Low volume, touch-off dispensing.	Ideal for MALDI spotting applications Spring loaded probe removes any potential of damaging spotting surface
Vented		Two styles: 1. A shallow groove cut in the probe shaft, above the tip (shown). 2. Two probes are assembled concentrically, creating two separate channels, the inner channel for liquid and the outer channel for gas. Vented probes may have different tip designs.	Sharp-tip enables septum-piercing Vent allows pressures inside and outside a sealed vessel to equilibrate as liquid is dispensed or aspirated
Side-entry		The liquid flow path opens on the side of the probe, not at the tip.	Recommended for thick septa Prevents coring of septa Compatible with injection ports Not recommended with limited volume
Deflected		Based on the beveled tip design, the probe tip is curved and very sharp.	Sharp-tip enables septum-piercing Tip pushes septa out of the way as it pierces to prevent coring
Conical		Designed for PEEK injection ports.	Capable of piercing thin septa Aspirates the last drop of liquid