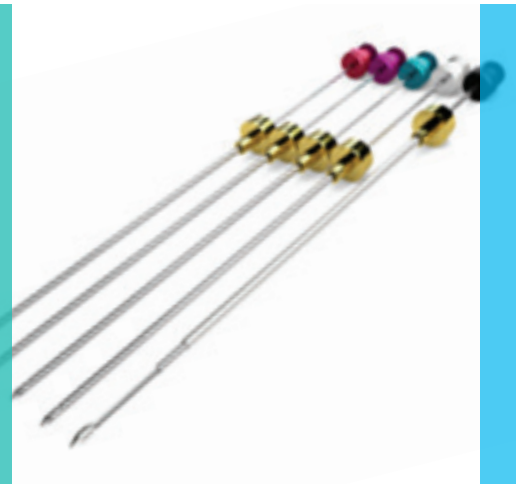


Take Aim at More Reliable SPME

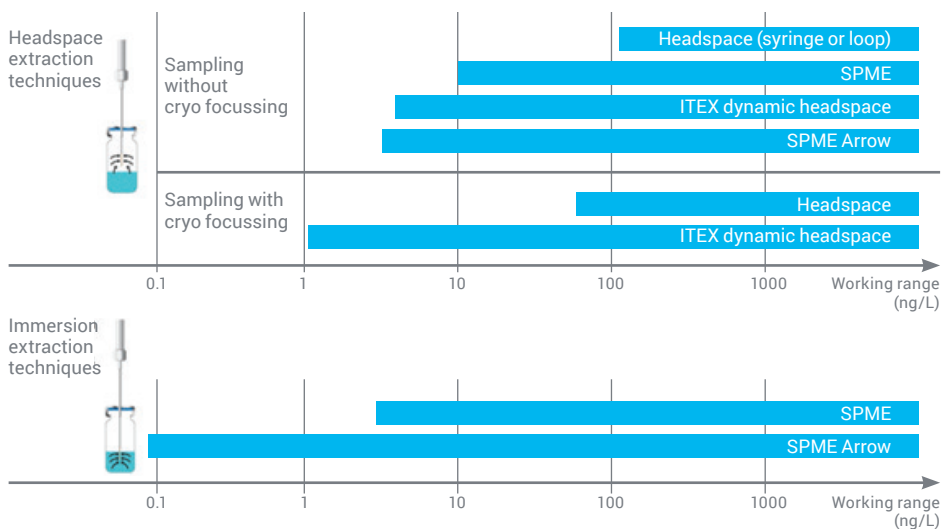
NEW Agilent PAL3 SPME Arrow



Compared to traditional solid phase microextraction (SPME) fibers, Agilent PAL3 SPME Arrows offer several key advantages:

- Stronger mechanical robustness: Typically 2–3 times longer lifetime
- Superior sensitivity: SPME Arrows hold up to 15 times more sorbent, for up to 10 times greater sensitivity
- Faster sample loading and higher throughput: Up to 6 times more surface area allows SPME Arrows to extract analyte up to 3 times faster
- Reduced septa coring: Arrow-shaped rod end easily penetrates septa

Sensitivity comparison: SPME Arrow versus traditional SPME fibers



Unique arrow shape minimizes septa coring.

SPME max 0.6 μL sorption phase

PAL SPME Arrow max 15.3 μL sorption phase



SPME Arrow for Agilent PAL3

A revolution in solid phase microextraction.

Learn more:

www.agilent.com/chem/pal3

Ordering information: Hardware

Agilent PAL3 SPME Arrow Hardware Kit (part number G7377A)

Includes:



SPME Arrow tool
For PAL3 RSI or RTC



Heatex stirrer module
Unique cycloidal stirring pattern keeps the top of the vial and Arrow stationary while mixing sample.



Inlet adaptor
Available for Intuvo 9000 GC or 7890 GC. Compatible with S/SL and MMI. Liners and septa included.

Also includes SPME Arrow Assortment Kit 5191-5868 to help get started (details below)

Optional:



SPME conditioning module
Recommended: Compatible with standard SPME fibers and SPME Arrows



Agitator module
Incubates and agitates samples for traditional SPME and SPME Arrow.

Ordering information: Chemistries

SPME Arrows (3 per pack)

Part Number	Diameter	Phase	Color
5191-5858	1.1 mm	Acrylate (polyacrylate)	Gray
5191-5859	1.1 mm	Carbon WR/PDMS (carbon wide-range)	Light blue
5191-5860	1.1 mm	DVB/PDMS (divinylbenzene)	Violet
5191-5861	1.1 mm	DVB/carbon WR/PDMS (divinylbenzene)	Dark gray
5191-5862	1.1 mm	PDMS (polydimethylsiloxane)	Red
5191-5863	1.5 mm	Carbon WR/PDMS (carbon wide-range)	Light blue
5191-5864	1.5 mm	DVB/carbon WR/PDMS (divinylbenzene)	Dark gray
5191-5865	1.5 mm	DVB/PDMS (divinylbenzene)	Violet
5191-5866	1.5 mm	PDMS (polydimethylsiloxane)	Red
5191-5867	1.5 mm	PDMS (polydimethylsiloxane)	Black

SPME Arrow Assortment Kits (5 Arrows with phase length of 20 mm)

Part Number	Description
5191-5868	Assortment kit 1: <ul style="list-style-type: none">– 1.1 mm acrylate (polyacrylate)– 1.1 mm carbon WR/PDMS (carbon wide-range/polydimethylsiloxane)– 1.1 mm DVB/PDMS (divinylbenzene/polydimethylsiloxane)– 1.1 mm PDMS (polydimethylsiloxane)– 1.5 mm PDMS (polydimethylsiloxane)
5191-5869	Assortment kit 2: <ul style="list-style-type: none">– 1.1 mm acrylate (polyacrylate)– 1.1 mm carbon WR/PDMS (carbon wide-range/polydimethylsiloxane)– 1.1 mm DVB/PDMS (divinylbenzene/polydimethylsiloxane)– 1.1 mm PDMS (polydimethylsiloxane)– 1.1 mm DVB/carbon WR/PDMS (divinylbenzene/carbon wide-range polydimethylsiloxane)

Find the SPME Arrow that hits the mark for your application.

www.agilent.com/chem/pal3

This information is subject to change without notice.