

SPME Automated Sampling Requirements

PAL3 Series II SPME ordering information



PAL SPME
fiber tool

PAL SPME
Arrow tool

New Agilent PAL customer (SPME functionality only)

Automated sampling

PAL options that support SPME fibers and SPME Arrows

Agilent PAL3 Series II RSI (Liquid and Optional Headspace)



PAL 3 RSI Included in part number (p/n) **G7368B (PAL3 Series II RSI 120)** and **G7367B (PAL3 Series II RSI 85)**

- Power terminal and cables
- PAL3 control software (G7388AA)
- D7/57 liquid syringe tool
- Tray holder
- VT54 racks, 3/pk
- Standard wash module
- Liquid sample consumables kit:
 - Vial, 2 mL, 100/pk (5182-0715)
 - Screw cap, 100/pk (5182-0720)
 - Syringe, 10 μ L, 2/pk (26-gauge, 57 mm, 8010-0163)

Agilent PAL3 Series II RTC 120 (Robotic Tool Change)



PAL 3 RTC Included in p/n **G7370B (PAL3 Series II RTC 120)**

- Power terminal and cables
- PAL3 control software (G7388AA)
- Park station
- D7/57 liquid syringe tool
- Tray holder
- VT54 racks, 3/pk
- Standard wash module
- Liquid sample consumables kit:
 - Vial, 2 mL, 100/pk (5182-0715)
 - Screw cap, 100/pk (5182-0720)
 - Syringe, 10 μ L, 2/pk (26-gauge, 57 mm, 8010-0163)

GC Mounting Options	Agilent PAL3 Series II RSI (85 cm)	Agilent PAL3 Series II RSI (120 cm)	Agilent PAL3 Series II RTC (120 cm)
7890/6890 GC system side mount (includes detector cover for 7890)	G7367B#202	G7368B#202	G7370B#202
7820 GC system deck mount	G7367B#204	G7368B#204	G7370B#204
Intuvo 9000 GC system mount	G7367B#205	G7368B#205	G7370B#205
8890/8860 PAL3 deck mounting hardware	G7367B#206	G7368B#206	G7370B#206
8890/8860 PAL3 side mounting hardware	G7367B#207	G7368B#207	G7370B#207

SPME Fiber Parts for PAL3 RSI and RTC Modules	Agilent PAL3 Series II RSI (85 cm)	Agilent PAL3 Series II RSI (120 cm)	Agilent PAL3 Series II RTC (120 cm)
Required			
With fiber-conditioning module*	G7367B#312	G7368B#312	G7370B#312
Without fiber-conditioning module*	G7367B#313	G7368B#313	G7370B#313
Other Accessories			
SPME kit	G7380-85110		
SPME tool*	G7382-67000		
Agitator module for RSI/RTC (or orderable via option #326)	G7379A		
Sample racks (VT15, vial, 10/20 mL, 3/pk)	G7367B#402	G7368B#402	G7370B#402
PAL3 R-60 rack for 60 10/20 mL vials	G7367B#403	G7368B#403	G7370B#403
Barcode reader	G7367B#314	G7368B#314	G7370B#314
PAL3 SPME + SPME ARROW condition station	G7380-60001		
Merlin Microseal SPME replacement Microseal, 23-gauge	392609902		
Merlin Microseal starter kit, general purpose (100 psi), includes nut and Microseal	5182-3442		
Merlin Microseal general purpose (100 psi) replacement Microseal	5182-3444		
Merlin Microseal 100 psi nut	5182-3445		
Inlet septa, bleed and temperature optimized (BTO), non-stick, 11 mm	5183-4757		
Inlet septa, Advanced Green, non-stick, 11 mm	5183-4759		
Inlet liner, Ultra Inert, splitless, straight, 0.75 mm id, for SPME	5190-4048		
Vial, crimp top, headspace, clear, flat bottom, 20 mL, 23 x 75 mm	5182-0837		
Vial, screw top, headspace, clear, 20 mL, 23 x 75 mm	5188-2753		
Vial, screw top, headspace, amber, round bottom, 20 mL, 23 x 75 mm	5188-6537		
Vial, crimp top, headspace, amber, round bottom, certified, 20 mL, 23 x 75 mm	5190-2239		
Vial, crimp top, headspace, amber, graduation marks and write-on spot, flat bottom, certified, 20 mL, 23 x 75 mm	5190-2286		
Caps/septa, screw, headspace, steel, high temperature septa, certified, 18 mm	5188-2759		
Caps/septa, crimp, headspace, 20 mm, silver magnetic, tan PTFE/silicone	8010-0165		
Caps/septa, crimp, headspace, 20 mm, bimetal magnetic, PTFE/silicone septa	8010-0420		

* Includes SPME fiber selection set 1 and evaluation mix.

"B" Product Models include: Smart SPME fiber selection set 1 (5610-5879). PDMS (100 µm); polyacrylate (85 µm), CWR (95 µm), DVB/CWR/PDMS (80 µm), DVB (65 µm).

SPME Arrow Parts for PAL3 RSI and RTC Modules	Agilent PAL3 Series II RSI (85 cm)	Agilent PAL3 Series II RSI (120 cm)	Agilent PAL3 Series II RTC (120 cm)
Required			
PAL3 SPME Arrow for 8890/8860*	G7367B#323	G7368B#323	G7370B#323
PAL3 SPME Arrow for Intuvo 9000*	G7367B#324	G7368B#324	G7370B#324
PAL3 SPME Arrow for 7890*	G7367B#325	G7368B#325	G7370B#325
Other Accessories			
SPME kit	G7380-85110		
SPME Arrow tool*	G7377-67003		
Agitator module for RSI/RTC (or orderable via option #326)	G7379A		
Sample racks (VT15, vial, 10/20 mL, 3/pk)	G7367B#402	G7368B#402	G7370B#402
PAL3 R-60 rack for 60 10/20 mL vials	G7367B#403	G7368B#403	G7370B#403
Barcode reader	G7367B#314	G7368B#314	G7370B#314
PAL3 SPME + SPME ARROW condition station	G7380-60001		
PAL3 Heatex Stirrer for SPME Arrow	G7377-67000		
PAL3 Heatex Stirrer Insert for 10 mL vial	G7377-67001		
Merlin Microseal nut for use with SPME Arrows	5182-3446		
Replacement Microseals for use with 1.1 mm Arrow SPME	5182-3447		
Replacement Microseals for use with 1.5 mm Arrow SPME	5182-3448		
Inlet septa, bleed and temperature optimized (BTO), non-stick, 11 mm	5183-4757		
Inlet septa, Advanced Green, non-stick, 11 mm	5183-4759		
Inlet liner, Ultra Inert, splitless, straight, 2 mm id	5190-6168		
Vial, crimp top, headspace, clear, flat bottom, 20 mL, 23 × 75 mm	5182-0837		
Vial, screw top, headspace, clear, 20 mL, 23 × 75 mm	5188-2753		
Vial, screw top, headspace, amber, round bottom, 20 mL, 23 × 75 mm	5188-6537		
Vial, crimp top, headspace, amber, round bottom, certified, 20 mL, 23 × 75 mm	5190-2239		
Vial, crimp top, headspace, amber, graduation marks and write-on spot, flat bottom, certified, 20 mL, 23 × 75 mm	5190-2286		
Caps/septa, screw, headspace, steel, high temperature septa, certified, 18 mm	5188-2759		
Caps/septa, crimp, headspace, 20 mm, silver magnetic, tan PTFE/silicone	8010-0165		
Caps/septa, crimp, headspace, 20 mm, bimetal magnetic, PTFE/silicone septa	8010-0420		

* Includes SPME Arrow selection set 1 and evaluation mix.

"B" Product Models include: Smart SPME Arrow selection set 1 (5610-5868). Smart SPME Arrows: PDMS (1.10 mm, 100 µm); Polyacrylate (1.10 mm, 100 µm); CWR/PDMS (1.10 mm, 120 µm); DVB/PDMS (1.10 mm, 120 µm); PDMS (1.50 mm, 250 µm).

Current Agilent PAL system (adding SPME functionality to an existing rail)

Adding SPME functionality

SPME Fiber Automation	
PAL3 Series II SPME accessory for RTC/RSI (without fiber conditioning module)	G7382B
PAL3 Series II SPME accessory for RTC/RSI (with fiber conditioning module)	G7380B

SPME Arrow Automation	
PAL3 Series II SPME Arrow with Heatex stirrer	G7377B
PAL3 SPME Arrow for 7890 GC	G7377B#101
PAL3 SPME Arrow for Intuvo GC	G7377B#102
PAL3 SPME Arrow for 8890 GC	G7377B#103
PAL3 SPME and SPME Arrow con module	G7377B#201
PAL3 Agitator module	G7377B#202

G7382B



G7377B



G7380B



Notched septum nut indicates Arrow modified inlet.

"A" stamped on metal bracket indicates Arrow modified inlet.

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