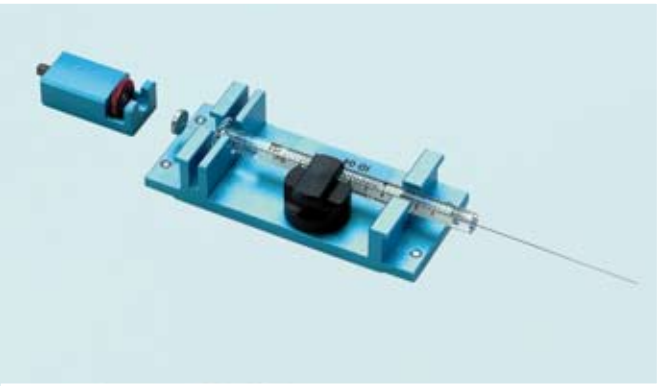
PAL Accessories

Prep and Load Platform

GC



PAL and PAL-*xt* product line accessory catalogue 2010 / 2011

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PAL GC Accessories

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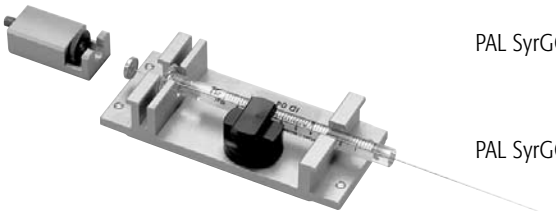
Important notice:
If not specifically mentioned all options and accessories are also available for previous PAL COMBI and PAL GC

PALBrochCat2010-11

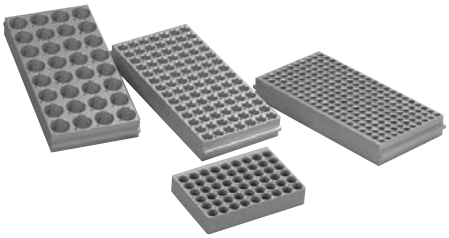
PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Syringe Kits Liquid Version	PAL SyrGC1.2µl	Kit GC Syringe 1.2µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC L1.2-26P-AS (plunger in needle design, needle OD 0.50 mm)	●	●
	PAL SyrGC5µl	Kit GC Syringe 5µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC L5-26S-AS	●	●
	PAL SyrGC10µl	Kit GC Syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC L10-26S-AS	●	●
	PAL SyrGC10µl-G	Kit GC Syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC G10-26S-AS	●	●
	PAL SyrGC25µl	Kit GC Syringe 25µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC G25-26S-AS	●	●
	PAL SyrGC100µl	Kit GC Syringe 100µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC G100-26S-AS	●	●
	PAL SyrGC250µl	Kit GC Syringe 250µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs syringe SYRC G250-26-AS	●	●
	PAL SyrGC500µl	Kit GC Syringe 500µl for PAL Combi-***xt*** or PAL GC-***xt*** 1 pc syringe adapter and plunger holder 2 pcs Syringe SYRC G500-26-AS	●	●
Syringe Kits Headspace Version	PAL SyrHS1.0ml	Kit HS Syringe 1.0ml for PAL Combi-***xt*** 1 pc syringe heater 1 pc plunger holder 2 pcs syringe SYRC HS1.0-23-5	●	○
	PAL SyrHS2.5ml	Kit HS Syringe 2.5ml for PAL Combi-***xt*** 1 pc syringe heater 1 pc plunger holder 2 pcs syringe SYRC HS2.5-23-5	●	○
	PAL SyrHS5.0ml	Kit HS Syringe 5.0ml for PAL Combi-***xt*** 1 pc syringe heater 1 pc plunger holder 2 pcs syringe SYRC HS5.0-23-5	●	○

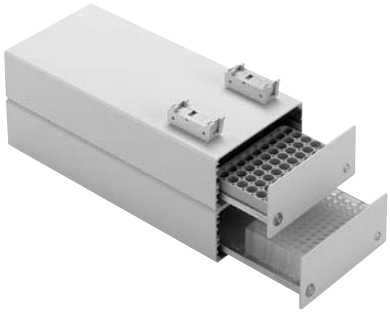
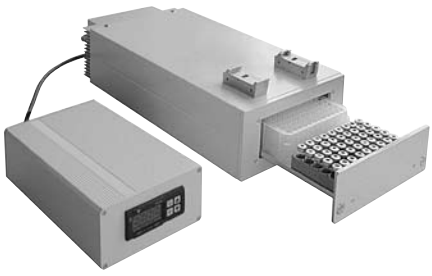
PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Syringes Liquid Version	SYRC L1.2-26P-AS	Liquid syringe 1.2µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26P, pointstyle AS	●	●
	SYRC L5-26S-AS	Liquid syringe 5µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle AS	●	●
	SYRC L10-26S-AS	Liquid syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle AS	●	●
	SYRC L10-26S-2	Liquid syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle 2	●	●
	SYRC G10-26S-AS	Liquid syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle AS	●	●
	SYRC L10-23S-AS	Liquid syringe 10µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 23S, pointstyle AS	●	●
	SYRC G25-26S-AS	Liquid syringe 25µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle AS	●	●
	SYRC G100-26S-AS	Liquid syringe 100µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26S, pointstyle AS	●	●
	SYRC G250-26-AS	Liquid syringe 250µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26, pointstyle AS	●	●
	SYRC G500-26-AS	Liquid syringe 500µl for PAL Combi-***xt*** or PAL GC-***xt*** fixed needle gauge 26, pointstyle AS	●	●
	SYRSGE L10-23S-AS	Liquid syringe SGE 10 µl, 0.63 OD, Gauge 23, diameter 6.5, fixed needle – 50mm cone tip dark orange coloured	●	●
	SYRSGE L10-26S-2	Liquid syringe SGE 10 µl, 0.47 OD, Gauge 26 diameter 6.5, fixed needle – 50mm bevel tip dark orange coloured	●	●
	SYRSGE L10-26S-AS	Liquid syringe SGE 10 µl, 0.47 OD, Gauge 26 diameter 6.5, Fixed needle – 50mm cone tip dark orange coloured	●	●
Syringes Headspace Version	SYRC HS1.0-23-5	Headspace Syringe ***HD***-type 1.0ml for PAL Combi-***xt*** fixed sideport needle gauge 23, pointstyle 5	●	○
	SYRC HS2.5-23-5	Headspace Syringe ***HD***-type 2.5ml for PAL Combi-***xt*** fixed sideport needle gauge 23, pointstyle 5	●	○
	SYRC HS5.0-23-5	Headspace Syringe ***HD***-type 5.0ml for PAL Combi-***xt*** fixed sideport needle gauge 23, pointstyle 5	●	○

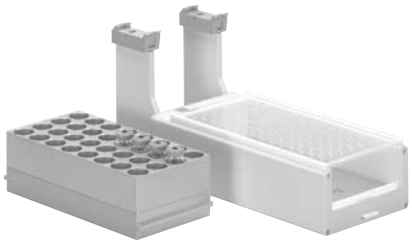
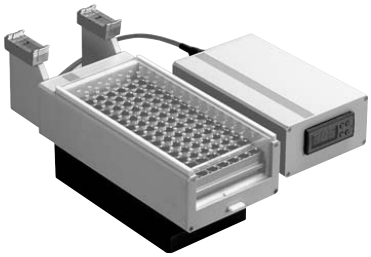
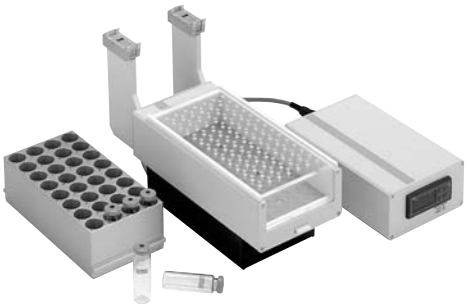
PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Replacement Plungers	PLG G10	10 pcs replacement plunger for 10µl syringe	●	●
	PLG G25	10 pcs replacement plunger for 25µl syringe	●	●
	PLG G100	10 pcs replacement plunger for 100µl syringe	●	●
	PLG G250	10 pcs replacement plunger for 250µl syringe	●	●
	PLG G500	10 pcs replacement plunger for 500µl syringe	●	●
	PLG HD1000	1 pc ***HD***-type replacement plunger for 1000µl headspace syringe	●	○
	PLG HD2500	1 pc ***HD***-type replacement plunger for 2500µl headspace syringe	●	○
	PLG HD5000	1 pc ***HD***-type replacement plunger for 5000µl headspace syringe	●	○
Trays	PAL Tray1ml	Sample tray for 200 vials 0.7/1ml	●	●
	PAL Tray2ml	Sample tray for 98 vials 2ml or 78 vials 0.7/1ml	●	●
	PAL Tray20ml	Sample tray for 32 vials 10/20ml or 21 vials 2ml	●	●
	PAL TrayMT2ml	Sample tray for PAL Stack4DW deepwell stack 54 x 2ml vials (up to 4 trays may be used in 1 PAL Stack4DW)	●	●
	PAL TrayMT2ml/6	Set of 6 pcs PAL TrayMT2ml sample trays	●	●
Traysets	PAL TraySet1ml	Sample tray for 200 vials 0.7/1ml, including trayholder 76mm	●	●
	PAL TraySet2ml	Sample tray for 98 vials 2ml or 78 vials 0.7/1ml, including trayholder 76mm	●	●
	PAL TraySet10ml	Sample tray for 32 vials 10ml or 21 vials 2ml, including trayholder 76mm (can not be used for 20ml vials)	●	●
	PAL TraySet20ml	Sample tray for 32 vials 10/20ml or 21 vials 2ml, including trayholder holder 114mm (positioned 38mm lower than standard holder)	●	●
	PAL TraySet2ml-2	Sample tray for 98 vials 2ml or 78 vials 0.7/1ml, including trayholder 114mm (holder may be alternatively used for 20ml vial trays)	●	●

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Trayset MT	PAL MTHolder	Trayholder 76mm for 2 microtiter/deepwell plates (96/384 wells) or 2 PAL TrayMT2ml	•	•
PAL Stack, GC Version 	PAL Stk4DW	PAL System stack for 4 deepwell- or microplates (96/384 wells) or 4 PAL TrayMT2ml	•	•
Stack Cooler 2DW (Peltier Version) 	PAL StkCooler2DW	Peltier cooled 2DW Stack 4°C to 40°C for 2 deepwell- or microplates (96/384 wells) or 2 PAL TrayMT2ml including 1 pc power supply 110V/240V LED display, temperature regulation ± 1°C	•	•

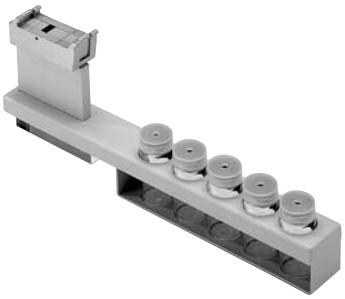
PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Tray Cooler (Liquid Version)	PAL LiqCooler	Liquid Tray Cooler 4°C to 70°C* for: 1 PAL Tray2ml or 1 PAL Tray1ml or 1 microtiter- or deepwell plate (96 wells) 1 pc plastic tray cover for PAL Tray2ml (*excluding sample tray and external circulator)	•	•
	MC 30-10	Cooler plastic tray cover for PAL Tray1ml	•	•
	MC 30-11	Cooler plastic tray cover for PAL Tray2ml	•	•
	MC 30-14	Cooler plastic tray cover for 96 well MT/DW	•	•
	MC 50-01	Adapter plate for 196 well MT/DW	•	•
Tray Cooler2 (Liquid Version)	PAL LiqCooler2	Liquid Tray Cooler 4°C to 70°C* consisting of: 1 pc liquid tray cooler with 136mm leg 1 pc cooling plate for 32 20ml vials 1 pc plastic tray cover for PAL Tray2ml (*excluding external circulator)	•	•
	MP 50-031	Cooling plate for 32 vials 10/20ml (requires PAL LiqCooler2)	•	•
Tray Cooler (Peltier Version)	PAL TrayCooler	Peltier Cooler 4°C to 70°C* for 1 PAL Tray2ml or 1 PAL Tray1ml or 1 microtiter- or deepwell plate (96 wells) including 1 plastic tray cover for PAL Tray2ml and power supply 110V/220V LED display, temperature regulation ± 1°C (* sample tray not included)	•	•
	MC 30-10	Cooler plastic tray cover for PAL Tray1ml	•	•
	MC 30-11	Cooler plastic tray cover for PAL Tray2ml	•	•
	MC 30-14	Cooler plastic tray cover for 96 well MT/DW	•	•
Tray Cooler2 (Peltier Version)	PAL TrayCooler2	Peltier Cooler 4°C to 70°C* consisting of: 1 pc tray cooler with 136mm legs 1 pc cooling plate for 32 20ml vials 1 pc plastic tray cover for PAL Tray2ml and power supply 110V/220V LED display, temperature regulation ± 1°C	•	•
	MP 50-031	Cooling plate for 32 20ml vials (requires PAL Tray Cooler2)	•	•

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Dilutor Set	PAL Dilutor	PAL Dilutor Option consisting of: 1 pc Dilutor module 1 pc Dilutor syringe 2.5ml 1 pc solvent bottle transfer line including filter 1 pc solvent bottle 1000ml with cap 1 pc transfer tubing kit 1/16“ 1 pc Dilutor module connection cable 1 pc operating manual (requires PAL SyrGCSP80µl, PAL SyrGCSP20µl)	●	○
	PAL SyrGCSP80µl	Kit Dilutor Syringe 80µl for PAL Combi-***xt*** consisting of: 1 pc sideport syringe plunger sealing screw 1 pc sideport syringe adapter 1 pc sideport syringe plunger holder 1 pc sideport syringe 80µl SYRC SP80-R 3 pcs Ndl S-26-AS needles gauge 26	●	○
	PAL SyrGCSP20µl	Kit Dilutor Syringe 20µl for PAL Combi-***xt*** consisting of: 1 pc sideport syringe plunger sealing screw 1 pc sideport syringe adapter 1 pc sideport syringe plunger holder 1 pc sideport syringe 20µl SYRC SP20-R 3 pcs Ndl S-26S-AS needles gauge 26S	●	○
Dilutor Syringes and Plungers	SYRC DIL1.0	PAL Dilutor Syringe 1ml	●	○
	SYRC DIL2.5	PAL Dilutor Syringe 2.5ml	●	○
	SYRC DIL5.0	PAL Dilutor Syringe 5ml	●	○
	SYRC DIL10	PAL Dilutor Syringe 10ml	●	○
	SYRC SP80-R	Sideport syringe 80µl gastight without needle	●	○
	SYRC SP20-R	Sideport syringe 20µl gastight without needle	●	○
	Ndl S-26-AS	3 pcs replacement needle gauge 26 pointstyle AS sideport syringe 80µl	●	○
	Ndl S-26S-AS	3 pcs replacement needle gauge 26S pointstyle AS sideport Syringe 20µl	●	○
	PLG SP80	10 pcs replacement syringe plunger for 80µl sideport syringe	●	○
	PLG SP20	10 pcs replacement syringe plunger for 20µl sideport syringe	●	○
	1000-SV	1 pc Dilutor Solvent bottle 1000ml	●	○
	PAL DIL 1.0	Replacement plunger for dilutor syringe 1.0ml	●	○
	PAL DIL 2.5	Replacement plunger for dilutor syringe 2.5ml	●	○
	PAL DIL 5.0	Replacement plunger for dilutor syringe 5.0ml	●	○
	PAL DIL 10	Replacement plunger for dilutor syringe 10ml	●	○

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Flow Cell 	PAL FlowCell	Flow-Through Cell consisting of: 1 pc Flow-Cell, Stainless Steel type 316 2 pcs Stainless Steel connectors Swagelok 1/4 inch 1 pc holder 88mm 5 pcs inlet septa, ø10mm	•	•
Wash Station 	PAL WashStd1	Wash Station for two solvents, consisting of: 1 pc vial holder for 5 vials 10ml 5 pcs vials 10ml 5 pcs caps and seals	•	•
Kit Seal Cap 	Kit SealCap	10 caps and 10 seals for 100-WV solvent bottle or PAL WashStd1 solvent vials	•	•
Kit Wash 	KitWash-10CV	10 pcs solvent vials 10ml 10 pcs caps 10 pcs seals for PAL WashStd1	•	•

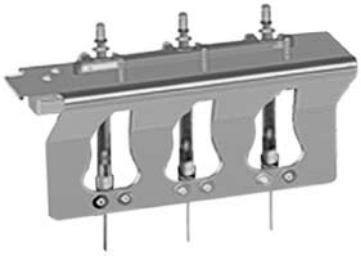
PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Large Volume Wash Station	PAL WashLarge	LC PAL Wash Station for two solvents, consisting of: 1 pc vial holder for 2 x 100ml vials 2 pcs vials 100ml, including caps and seals 1 pcs waste port including cap, septa, and waste tubing	●	●
	100-WV	100ml solvent bottle for PAL WashLarge	●	●
	Kit SealCap	10 caps and 10 seals for 100-WV solvent bottle or PAL WashStd1 solvent vials	●	●
Solvent Reservoir	PAL 3xSolv100	Solvent reservoir consisting of: 1 pc holder for 3pc 100ml vials 3 pcs solvent vials 100ml including caps and seals	●	●
	100-WV	100ml solvent bottle for LC PAL Wash Station PAL WashLarge or PAL 3xSolv 100 solvent reservoir including cap and seal	●	●
	Kit SealCap	10 caps and 10 seals for 100-WV solvent bottle or LC PAL Waste port	●	●
SPME Upgrade	PAL SPMEOpt	SPME option for PAL Combi-***xt*** consisting of: 1 pc SPME fiber holder 1 pc fiber assortment kit 1 pc SPME holder adapter 1 pc plunger holder 1 pc SPME Option operating manual	●	○
SPME Fiber Conditioning Station	PAL FibCond	SPME Fiber Conditioning Station consisting of: 1 pc heater up to 350°C with connection cable and bracket 40mm 1 pc flush gas connection 1 pc fitting for CombiPAL flush gas regulator 1 pc tubing kit 1 pc alternate bracket 14mm	●	○

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
ITEX-2 Option	PAL ITEX-2Option	ITEX-2 Option for PAL Combi-***xt*** consisting of: 1 pc 1.3 ml ITEX syringe with M7 x 0.5 fitting 1 pc replacement plunger 1.3 ml 2 pcs ITEX-2 trap TENAX TA 80/100 mesh incl. O - Ring 1 pc trap heater incl. electrical connections 1 pc syringe heater incl. plunger holder 1 pc syringe heater side bracket 1 pc CD Rom with ITEX software (requires PAL LHS2 and Cycle Composer)	●	○
	ITEX-2TrapTXTA	1 pc ITEX-2 Trap Tenax TA 80/100 mesh	●	○
	ITEX-2TrapTXTA3	Set of 3 pcs ITEX-2 Trap Tenax TA 80/100 mesh	●	○
	SYRC ITEX-2-1.3	ITEX-2 syringe 1.3ml with adapter M7x0.5	●	○
	PLG ITEX-2-1.3	Replacement plunger for ITEX-2 syringe	●	○
ITEX Option (previous version) Consumables/Spares	ITEXTrapTXTA	1 pc ITEX Trap Tenax TA 80/100 mesh	●	○
	ITEXTrapTXTA3	Set of 3pcs ITEX Trap Tenax TA 80/100 mesh	●	○
	SYRC ITEX2.5	1 pc replacement ITEX Syringe 2.5ml	●	○
Headspace Upgrade Kit	PAL LHSUpgrd	Headspace Upgrade for LHS0 PAL Combi-***xt*** Liquid only version consisting of: 1 pc incubator for 2ml/10ml/20ml vials shaker, temperature up to 200°C 1 pc syringe heater 2.5ml 2 pcs headspace syringes 2.5ml SYRC HS 2.5-23-5 1 pc PAL TraySet20ml Tray for 32 vials 10/20ml including holder 114mm 1 pc pressure regulator 1 pc magnetic transport ring 1 pc vial transport teaching kit 6 pcs adaptor to use 10ml vials 1 pc CD ROM with HS Software Upgrade (for model PAL LHS0)	●	○
	PAL Ins20/2ml	6 pcs 2ml inserts to use 2ml vials in PAL Incub6x20	●	○
COMBI-*xt* & GC-*xt* Upgrade Kit	Kit Combi-***xt***	Kit ***xt*** Upgrade for PAL Combi-***xt*** Systems 1 pc control board-***xt*** for PAL System - Firmware 4.X 1 pc side cover with gas flush valve for PAL Combi-***xt*** 1 pc back cover (for 80cm standard rail version) including screws 1 pc Aux cable (Cbl RS20R-1300) 1 pc LAN Cable (3m) 1 pc system CD ROM for ***xt***- Systems 1 pc manual ***xt*** -Upgrade	○	○
	Kit GC-***xt***	Kit ***xt*** Upgrade for PAL GC-***xt*** Systems 1 pc control board-***xt*** for PAL System – Firmware 4.X 1 pc back cover (for 80cm standard rail version) including screws 1 pc LAN Cable (3m) 1 pc system CD ROM for ***xt***- Systems 1 pc manual ***xt*** -Upgrade	○	○

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
MHE Tool	PAL MHETool	MHE Option for PAL Combi-***xt***, consisting of: 1 pc MHE tool 1 pc MHE parkstation 1 pc needle MHE gauge 22/5 1 pc MHE tool CD (Firmware 3.X backup file) 1 pc manual MHE Option (requires PAL LHS2)	●	○
PAL Exchange 	PAL XCHANGEOpt	PAL XCHANGE® Option for PAL-***xt*** Systems consisting of: 1 pc XCHANGE® park station 1 pc plunger coupling 1 pc XCHANGE® coupling 1 pc safety guard 1 pc active needle guide 1 pc set of XCHANGE® syringes 1 pc PAL-***xt*** System CD (requires PAL Firmware 4.X, for PAL-***xt*** Systems only)	●	○
GC Mounting Kits	PAL-MR-5890	Mounting hardware for Agilent GC 5890	●	●
	PAL MR-6850	Mounting hardware for Agilent GC 6850	●	●
	PAL MR 6850-Dual	MR-6850 add-on to align 2 Agilent 6850 GC's	●	●
	PAL MR-7890 -***xt***	Mounting hardware for Agilent GC 6890 or GC 7890	●	●
	PAL MR-TRACE-OC -***xt***	Mounting hardware for Thermo Trace 2000 (150mm legs, for Thermo On-column Injector only) (requires Kit Trace-OC)	●	●
	PAL MR-TRACE-SSL -***xt***	Mounting hardware for Thermo Trace 2000 (215mm legs, for Thermo Split/Splitless and PTV Injector)	●	●
	PAL MR-Focus -***xt***	Mounting hardware for Thermo GC Focus	●	●
	PAL MR-V3900/V43X-***xt***	Mounting hardware for Varian GC 3900 / 43X-GC	●	●
	PAL MR-V3800/V450 -***xt***	Mounting hardware for Varian GC 3800 / 450-GC	●	●
	PAL MR-V3400/3600	Mounting hardware for Varian GC 3400 / GC 3600	●	●
	PAL MR-S2014 -***xt***	Mounting hardware for Shimadzu GC 2014	●	●
	PAL MR-S2010 -***xt***	Mounting hardware for Shimadzu GC 2010	●	●
	PAL MR-S17A	Mounting hardware for Shimadzu GC 17A	●	●
	PAL MR-S14B	Mounting hardware for Shimadzu GC 14B	●	●
	PAL MR-PEXL	Mounting hardware for Perkin Elmer GC Autosystem XL or Perkin Elmer GC Clarus 500	●	●
	PAL MR-PEC600 -***xt***	Mounting hardware for Perkin Elmer GC Clarus 600	●	●
	PAL MR-GC353/390	Mounting hardware for GL Sciences GC353/390	●	●
	PAL MR-Std -***xt***	2pcs standard support 215mm for GC1, LHS0 or LHS2	●	●

PAL GC Accessories

PAL Accessory	Part Number	Description	Combi-*xt*	GC-*xt*
Barcode Reader	PAL BCReader	Barcode Reader Laser scanner for barcode labels on 2/10/20ml vials including electrical connection cable	•	•
Software and Drivers	PAL CycCompCD	Cycle Composer remote control software for PAL System CD ROM consisting of: Cycle Composer standalone version 1 PAL Driver for Agilent ChemStation data system PAL Driver for Thermo Xcalibur data system (requires PAL Firmware 2.2.0 or higher and Win 2000/XP or higher)	•	•
	PAL CycCompCD5	Cycle Composer remote control software for PAL System CD ROM, site license for 5 instruments consisting of: Cycle Composer standalone version including 5 serial numbers PAL Driver for Agilent ChemStation data system PAL Driver for Thermo Xcalibur data system (requires PAL Firmware 2.2.0 or higher and Win 2000/XP or higher)	•	•
	PAL CycEdit	PAL Cycle Editor license	•	•
	PAL ICC-CE	CTC Instrument control components including Cycle Editor	•	•
	PAL DrvEmp	PAL Driver for Waters Empower	•	•
Instrument Qualification	PAL GC-QDoc	Instrument Qualification for PAL Combi-***xt*** and PAL GC-***xt*** consisting of: 1 pc Log Book 1 pc Documentation IQ procedure 1 pc Documentation OQ procedure	•	•
	PAL GC-ReQ	Instrument Requalification for PAL Combi-***xt*** and PAL GC-***xt*** consisting of: 1 pc Documentation OQ procedure	•	•
Toolkit	PAL Toolkit	Torx driver set for PAL System	•	•

Ako nás možno kontaktovať:

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