

# Microsyringes for CTC PAL Autosampler

## L-MARK® Syringes for CTC PALxT LC Autosampler

■ made  
■ in  
■ Germany



Syringes 10µl-5.0ml - Needle Tip Style b, Needle Length 51mm - Type LC

Part No.	Volume	Plunger Type	Needle	OD (Gauge)	Qty.	Hamilton	SGE
LMK.2106424	10µl	SS	FN	0.72mm (G22s)	ea.	80365	002710
LMK.2606416	10µl	PTFE	FN	0.72mm (G22s) with stop	ea.	203194	002715
LMK.2620517	25µl	PTFE	FN	0.72mm (G22s)	ea.	203274	009384
LMK.2620517-2P	25µl	PTFE	FN	0.72mm (G22s)	pk.2	203274	009384
LMK.2620517-6P	25µl	PTFE	FN	0.72mm (G22s)	pk.6	203274	009384
LMK.2620615	50µl	PTFE	FN	0.72mm (G22)	ea.		003715
LMK.2620615-2P	50µl	PTFE	FN	0.72mm (G22)	pk.2		
LMK.2620615-6P	50µl	PTFE	FN	0.72mm (G22)	pk.6		004810
LMK.2620719	100µl	PTFE	FN	0.72mm (G22s)	ea.	203077	005715
LMK.2620719-2P	100µl	PTFE	FN	0.72mm (G22s)	pk.2	203077	005715
LMK.2620719-6P	100µl	PTFE	FN	0.72mm (G22s)	pk.6	203077	005715
LMK.2620721	100µl	PTFE	FN	0.72mm (G22)	ea.	203235	005720
LMK.2620721-2P	100µl	PTFE	FN	0.72mm (G22)	pk.2	203235	005720
LMK.2620721-6P	100µl	PTFE	FN	0.72mm (G22)	pk.6	203235	005720
LMK.2620821	250µl	PTFE	FN	0.72mm (G22s)	ea.		006330
LMK.2620908	500µl	PTFE	FN <sup>1)</sup>	0.72mm (G22)	ea.	203349	007720
LMK.2620011	1.0ml	PTFE LT	FN <sup>2)</sup>	0.72mm (G22)	ea.		008120
LMK.2620054	5.0ml	PTFE LT	FN <sup>2)</sup>	1.10mm (G19)	ea.		008820

1) Needle Length 56mm 2) Needle Length 57mm

## L-MARK® Syringes for CTC Combi PAL GC Autosampler

Syringes 1.2µl-500µl - Needle Tip Style AS, Needle Length 51mm - Type GC

Part No.	Volume	Plunger Type	Needle	OD (Gauge)	Qty.	Hamilton	SGE
LMK.2220001	1.2µl	SS	FN	0.48mm (G26P)	ea.	203185	000790
LMK.2220001-6P	1.2µl	SS	FN	0.48mm (G26P)	pk.6	203185	000790
LMK.2106303	5µl	SS	FN	0.64mm (G23s)	ea.		
LMK.2106302	5µl	SS	FN	0.47mm (G26s)	ea.	203189	001980
LMK.2106403	10µl	SS	FN	0.64mm (G23s)	ea.	203361	002981
LMK.2106426	10µl	SS	FN	0.64-0.47mm (G23s-G26s)	ea.	203362	002981
LMK.2106416	10µl	SS	FN	0.47mm (G26s)	ea.	203205	002980
LMK.2106416-2P	10µl	SS	FN	0.47mm (G26s)	pk.2	203205	002980
LMK.2106416-6P	10µl	SS	FN	0.47mm (G26s)	pk.6	203205	002980
LMK.2606407	10µl	PTFE	FN	0.47mm (G26s)	ea.		002977
LMK.2606403	10µl	PTFE	FN	0.64mm (G23s)	ea.		002987
LMK.2620706	100µl	PTFE	FN	0.47mm (G26s)	ea.	203076	005700
LMK.2620706-2P	100µl	PTFE	FN	0.47mm (G26s)	pk.2	203076	005700
LMK.2620706-6P	100µl	PTFE	FN	0.47mm (G26s)	pk.6	203076	005700
LMK.2620803	250µl	PTFE	FN	0.47mm (G26)	ea.	203078	006700
LMK.2620903	500µl	PTFE	FN	0.47mm (G26)	ea.	203080	007700

# SETonic Microsyringes for CTC PAL Autosampler

## L-MARK® Syringes for CTC PAL 3/RTC/RSH Autosampler



made  
in  
Germany

Syringes 10µl-1.0ml - Needle Tip Style AS, Needle Length 57mm - **Type GC**

Part No.	Volume	Plunger Type	Needle	OD (Gauge)	Qty.	Hamilton	SGE
LMK.2116405	10µl	SS	FN	0.64mm (G23s)	ea.	207803	002865
LMK.2116404	10µl	SS	FN	0.47mm (G26s)	ea.	207807	002865
LMK.2116406	10µl	SS	FN <sup>1)</sup>	0.47mm (G26s)	ea.		002867
LMK.2616405	10µl	PTFE	FN	0.64mm (G23s)	ea.		002862
LMK.2616404	10µl	PTFE	FN	0.47mm (G26s)	ea.		
LMK.2616703	100µl	PTFE	FN	0.47mm (G26s)	ea.	207840	005866
LMK.2616803	250µl	PTFE	FN	0.47mm (G26s)	ea.		006862
LMK.2616804	250µl	PTFE	FN <sup>1)</sup>	0.47mm (G26s)	ea.		006862
LMK.2616003	1.0ml	PTFE	FN	0.64mm (G23s)	ea.	207849	

1) Needle Length 85mm

Syringes 10µl-1.0ml - Needle Tip Style b, Needle Length 57mm - **Type LC**

Part No.	Volume	Plunger Type	Needle	OD (Gauge)	Qty.	Hamilton	SGE
LMK.2616422	10µl	PTFE	FN	0.72mm (G22s)	ea.		
LMK.2616502C	25µl	PTFE	FN	0.72mm (G22s) coated <sup>2)</sup>	ea.	208304	
LMK.2616702C	100µl	PTFE	FN	0.72mm (G22s) coated <sup>2)</sup>	ea.	208312	
LMK.2616704C	100µl	PTFE	FN	0.72mm (G22) coated <sup>2)</sup>	ea.	208311	
LMK.2616822	250µl	PTFE	FN	0.72mm (G22s)	ea.	208304	
LMK.2616922	500µl	PTFE	FN	0.72mm (G22s)	ea.		
LMK.2616012	1.0ml	PTFE	FN	0.72mm (G22s)	ea.		

2) hydrophobic, oleophobic coated syringe needle

## L-MARK® Gas-Tight Large Volume Syringes - Fixed Needle



Syringes 1.0ml-10.0ml

Part No.	Volume	Needle	OD (Gauge)	Needle Length	Point Style	Qty.	Hamilton	ILS	Agilent
3030249	1.0ml	FN	0.72mm (G22)	51mm	a	ea.	81317	2600000	
3030198	1.0ml	FN	0.72mm (G22)	56mm	b	ea.			
3030248	1.0ml	FN	0.64mm (G23)	51mm	a	ea.		2600003	
3030186*	1.0ml	FN	0.64mm (G23)	51mm	d	ea.	203082	2620002	
3030250	2.5ml	FN	0.72mm (G22s)	51mm	a	ea.		2600020	
3030154	2.5ml	FN	0.72mm (G22)	51mm	a	ea.			5182-9642
3030199	2.5ml	FN	0.72mm (G22)	56mm	b	ea.		2620030	
3030187*	2.5ml	FN	0.64mm (G23)	51mm	d	ea.			
3030251	5.0ml	FN	0.72mm (G22s)	51mm	a	ea.		2600040	
3030155	5.0ml	FN	0.72mm (G22)	51mm	a	ea.	81517		5182-9638
3030200	5.0ml	FN	0.72mm (G22)	56mm	b	ea.		2620056	
3030188*	5.0ml	FN	0.64mm (G23)	56mm	d	ea.		2620050	
3030252	10.0ml	FN	0.72mm (G22s)	51mm	a	ea.		2600060	
3030156	10.0ml	FN	0.72mm (G22)	51mm	a	ea.			

\* High temperature syringes up to 120°C for Headspace analysis

## SETonic Microsyringes for PAL Autosampler

### L-MARK® Syringes for CTC PAL 3/RTC DLW



made  
in  
Germany

LMK.2620740 with deformation resistant PCTFE Insert and PTFE NUB Seal

SETonic proudly introduces syringes for use in the CTC Autosampler with the Dynamic Load & Wash option (DLW). The L-MARK® DLW Syringes have been optimized to provide superior performance during instrument operation and address issues experienced with competitive products including syringe leaking, carryover and plunger wear.

Part No.	Volume	Plunger Type	Needle	Feature	Qty.	Reference
LMK.2620735	100µl	PTFE	w/o		ea.	100.SYRCDLW100R
LMK.2620735-BL	100µl	PTFE NUB	w/o	Black Seal	ea.	
LMK.2620740	100µl	PTFE	w/o	PCTFE Insert	ea.	
LMK.2620835-BL	250µl	PTFE NUB	w/o	Black Seal	ea.	
LMK.2620935-BL	500µl	PTFE NUB	w/o	Black Seal	ea.	
LMK.2620080-BL	1.0ml	PTFE NUB	w/o	Black Seal	ea.	

#### Replacement Plunger for DLW Syringes

Part No.	Volume	Plunger Type	Qty.
LMK.2636735	100µl	PTFE	pk.6
LMK.2636735-BL	100µl	PTFE NUB	pk.6
LMK.2636835-BL	250µl	PTFE NUB	pk.6
LMK.2636935-BL	500µl	PTFE NUB	pk.6
LMK.2636086-BL	1.0ml	PTFE NUB	pk.6

#### SETonic Tech Tip:

A major instrument company recently compared the L-MARK® DLW Syringe (LMK.2620740) against the leading competitive syringe. Their findings were significant. Researchers noted the competitive syringe required retightening between 400 and 500 injections while the L-MARK DLW syringe required no operator intervention for more than 6.400 injections. Additionally most LMK.2620740 gain an additional 20-25% life on their syringes. Discover what many customers have already learned: **the L-MARK® DLW provides longer life, less leaks and less intervention.**

#### SETonic PAL System Consumables

Analytical laboratory customers demand reliability and availability for the products complimenting their high throughput PAL autosampling systems. SETonic now offers a full host of consumable and small parts. Our partner LEAP PAL Parts has been in the lab instrumentation and liquid handling business for over 20 years. If you are currently working with a CTC/LEAP PAL Autosampler, we offer a complete line of small parts and consumables to meet your needs. Our products are of the highest quality from premier manufacturers in our industry. We are confident SETonic GmbH products, services and prices will continue to exceed your expectations.