



# New arrivals for the LC/MS Tool family



CLINICAL

FOOD SAFETY

LIFE SCIENCE

Three new LC/MS Tools, all  
equipped with Smart Syringes.



# New arrivals for the LC/MS Tool family

The widely used LC/MS Tool is part of a family of tools now. PAL System is introducing 3 new LC/MS Tools, all equipped with Smart Syringes. These LC/MS Tools are compatible with the PAL RSI and RTC series.

The new LC/MS Tools will be offered with a 100 µl or 250 µl PAL Smart Syringe. Two needle lengths will be available. The standard 51 mm needle is suitable for most applications. With this needle length vials can be penetrated with a maximum depth of 42 mm. The two tools equipped with short needle are:

PAL3-TH-SLCMS-P-100*; replaces PAL3-TH-SLCMS-P	(short 51 mm needle with 100 µl syringe)
PAL3-TH-SLCMS-P-250*	(short 51 mm needle with 250 µl syringe)

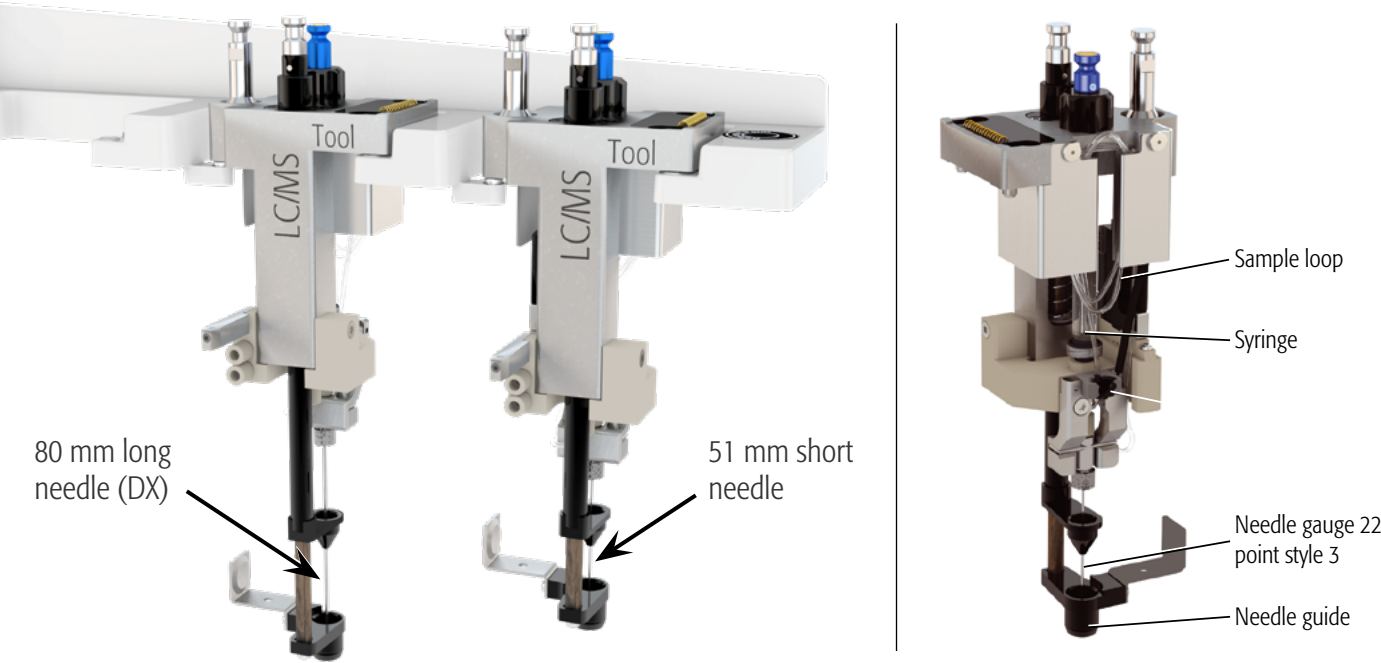
In applications requiring higher penetration depths or strong septa caps, e.g. when dealing with blood tubes (e.g. Vacutainer™) or deep vials, the tools equipped with an 80 mm long, reinforced needle are recommended, allowing a maximum penetration depth of 70 mm:

PAL3-TH-SLCMS-P-100DX**; replaces PAL3-TH-SLCMS-P80	(80 mm long, reinforced needle with 100 µl syringe)
PAL3-TH-SLCMS-P-250DX**	(80 mm long, reinforced needle with 250 µl syringe)

Minimum FW 2.4.52

\* Requires LCMS Wash Module (PAL3-WashLCMS)

\*\* Requires LCMS Wash Module with longer inner liner (PAL3-WashLCMS-DX), and support legs of adequate height (minimum length: 26.5 cm) to be positioned in the park station



Feature:	Benefit:
Two wash solvents	Lowest carryover
Bubble sensor	Injection verification, process safety
Smart Syringe	Monitoring of tool status, process safety
Variable needle lengths and penetration depths	Access to longer containers (e.g. Vacutainer)
250 µl max injection volume	Expanded working range
Reinforced 80mm needle	Pierces even thick septa

© 2024 CTC Analytics AG. All rights reserved. Neither this publication nor any part hereof may be copied, photocopied, reproduced, translated, distributed or reduced to electronic medium or machine readable form without the prior written permission from CTC Analytics AG, except as permitted under copyright laws.

CTC Analytics AG acknowledges all trade names and trademarks used as the property of their respective owners.

PAL is a registered trademark of CTC Analytics AG | Switzerland

CTC Analytics AG, Industriestrasse 20, CH-4222 Zwingen, Switzerland, T +41 61 765 81 00, Contact: info@ctc.ch