

Syringes | Syringes and needles for LEAP autosamplers

The choice for GC and LC applications with LEAP - CTC PAL

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
GC applications									
CTC Analytics CombiPAL, Combi-xt and GC PAL syringes									
Fixed needle									
001700	5 µL fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler, TriPlus	26	0.47	50	Cone	6.5	-	-	-
001981	5 µL fixed needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, TriPlus	23	0.63	50	Cone	6.5	-	-	-
002977	10 µL gas tight, fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler	26	0.47	50	Cone	6.5	P	-	031803
002976	10 µL fixed needle CTC/Thermo syringe with gas tight plunger and 5 cm 0.47 mm OD (26 gauge), cone tipped needle PK6	26	0.47	50	Cone	6.5	P	-	031803
002700	10 µL fixed needle, 50 mm needle length, 0.47 mm needle OD (26 gauge), cone tipped, for CTC autosampler	26	0.47	50	Cone	6.5	-	-	-
002981	10 µL fixed needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus, AS3000, AS2000, AS200, AS800, Varian 8400, 8410, CP-9010, CP-9050	23	0.63	50	Cone	6.5	-	-	-
002971	10 µL fixed needle, for CTC Thermo autosampler, TriPlus, AS3000, AS2000, AS200, AS800, 5 cm 0.63 mm OD (23 gauge), cone tipped needle, PK6	23	0.63	50	Cone	6.5	-	-	-
002987	10 µL gas tight, PTFE tipped plunger, fixed needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), cone tipped, for CTC autosampler, Thermo, TriPlus, AS2000	23	0.63	50	Cone	6.5	P	-	031803
002972	10 µL fixed needle, for CTC Thermo autosampler, TriPlus, AS2000, gas tight, PTFE tipped plunger, 5 cm 0.63 mm OD (23 gauge), cone tipped needle PK6	23	0.63	50	Cone	6.5	P	-	031803
002983	10 µL gas tight, PTFE tipped plunger, fixed needle, 50 mm needle length, 0.72 mm needle OD (22 gauge), side hole dome tip, for CTC autosampler	22	0.72	50	side hole	6.5	P	-	031803
003987	25 µL fixed needle, for CTC/Thermo autosampler, PTFE tipped plunger, gas tight, 5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	50	Cone	6.5	P	-	031817
003700	25 µL fixed needle, for CTC autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge) cone tipped needle	26	0.47	50	Cone	6.5	P	-	-
005700	100 µL fixed needle, for CTC autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	50	Cone	6.5	P	-	0318261
005335	100 µL fixed needle, for CTC/Thermo autosampler, PTFE tipped plunger, gas tight, 5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	50	Cone	6.5	P	-	0318261
006700	250 µL fixed needle, for CTC autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	50	Cone	8	P	-	0318926

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics CombiPAL, Combi-xt and GC PAL syringes									
Fixed needle continued									
007700	500 µL fixed needle, for CTC autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	50	Cone	8	P	-	0318928
Removable needle									
000490	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	26	0.47	50	Cone	6.5		033770*	033770*
000492	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	23	0.63	50	Cone	6.5		033772*	033772*
000790	2 µL plunger-in-needle (8 mm OD barrel), removable needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), for CTC autosampler, Thermo TriPlus, AS3000	23	0.63	50	Cone	0.47		034905*	034905*
001984	5 µL removable needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), cone tipped, for CTC autosampler	23	0.63	50	Cone	6.5		036011	-
002982	10 µL removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus, AS3000, AS2000, Varian 8400, 8410, CP-9010, CP-9050	26	0.47	50	Cone	6.5		037010	-
002985	10 µL gas tight, PTFE tipped plunger, removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler	26	0.47	50	Cone	6.5	P	037010	0318121
002984	10 µL removable needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, Triplus, AS3000, AS2000, AS200, AS800	23	0.63	50	Cone	6.5		037787	-
003988	25 µL removable needle, for CTC/Thermo autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge), side hole needle	26	0.47	50	side hole	6.5	P	038749	031816
005333	100 µL removable needle, for CTC/Thermo autosampler, PTFE tipped plunger, gas tight, 5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	50	Cone	6.5	P	038732	031826
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Removable needle									
000480	0.5 µL NanoVolume CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.63 mm OD (23 gauge) cone tipped needle	23	0.63	57	Cone			033780	033780
000680	1.0 µL NanoVolume CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.63 mm OD (23 gauge) cone tipped needle	23	0.63	57	Cone			034780	034780
001871	5 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	23	0.63	57	Cone			036871	-
001873	5 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone			036873	-
001875	5 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone			036875	-
001877	5 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone			036877	-
002871	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone			037871	-
002872	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	037871	032810
002873	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone			037873	-

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Removable needle continued									
002874	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	037873	032810
002875	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone			037875	-
002876	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	037875	032810
002877	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone			037877	-
002878	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	037877	032810
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Fixed needle									
001861	5 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone			-	-
001863	5 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone			-	-
001865	5 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone			-	-
001867	5 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone			-	-
002861	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone			-	-
002862	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032810
002863	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone			-	-
002864	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032810
002865	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone			-	-
002866	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032810
002867	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone			-	-
002868	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032810
002869	10 µL fixed needle CTC RTC and Thermo RSH autosampler syringe with 8.5 cm 0.47 mm OD (26 gauge), bevel tipped needle	26	0.47	85	Bevel			-	-
003862	25 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032815

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Fixed needle continued									
003864	25 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032815
003866	25 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032815
003868	25 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032815
004862	50µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032821
004864	50µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032821
004866	50µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032821
004868	50µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032821
005862	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032825
005864	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032825
005866	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032825
005868	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032825
005890	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	57	side hole		P	-	032825
005891	100 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	85	side hole		P	-	032825
006862	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032831
006864	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032831
006866	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032831
006868	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032831

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Fixed needle continued									
006890	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	57	side hole		P	-	032831
006891	250 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	85	side hole		P	-	032831
007862	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	57	Cone		P	-	032835
007864	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), cone tipped needle	23	0.63	85	Cone		P	-	032835
007866	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	57	Cone		P	-	032835
007868	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.47 mm OD (26 gauge), cone tipped needle	26	0.47	85	Cone		P	-	032835
007890	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	57	side hole		P	-	032835
007891	500 µL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 8.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	85	side hole		P	-	032835
Antek syringes									
Fixed needle									
0039871	25 µL fixed needle syringe with gas tight plunger and 5 cm 0.63 mm OD (23 gauge) cone tipped needle, old style plunger for certain Antek instruments	23	0.63	50	Cone		P	-	-
Thermo Scientific TriPlus syringes									
Fixed needle									
001981	5 µL fixed needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, TriPlus	23	0.63	50	Cone			-	-
001982	5 µL fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo TriPlus	26	0.47	50	Cone			-	-
002967	10 µL fixed needle, for CTC Thermo autosampler, TriPlus, AS3000, AS2000, AS200, AS800, 5 cm 0.50 mm OD (25 gauge), cone tipped needle	25	0.50	50	Cone			-	-
002971	10 µL fixed needle, for CTC Thermo autosampler, TriPlus, AS3000, AS2000, AS200, AS800, 5 cm 0.63 mm OD (23 gauge), cone tipped needle, PK6	23	0.63	50	Cone			-	-
002972	10 µL fixed needle, for CTC Thermo autosampler, TriPlus, AS2000, gas tight, PTFE tipped plunger, 5 cm 0.63 mm OD (23 gauge), cone tipped needle PK6	23	0.63	50	Cone		P	-	031803
002980	10 µL fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus, AS3000, AS2000, AS200, AS800	26	0.47	50	Cone			-	-
002981	10 µL fixed needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus, AS3000, AS2000, AS200, AS800, Varian 8400, 8410, CP-9010, CP-9050	23	0.63	50	Cone			-	-

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
Thermo Scientific TriPlus syringes									
Fixed needle continued									
002986	10 µL fixed needle, 50 mm needle length, 0.47 mm needle OD (26 gauge), cone tipped, PK6, for CTC autosampler, Thermo, TriPlus	26	0.47	50	Cone			-	-
002987	10 µL gas tight, PTFE tipped plunger, fixed needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), cone tipped, for CTC autosampler, Thermo, TriPlus, AS2000	23	0.63	50	Cone		P	-	031803
002992	10 µL fixed needle, 0.47 mm needle OD (26 gauge), 80 mm needle length, cone tipped, for CTC autosampler, Thermo TriPlus	26	0.47	80	Cone			-	-
Removable needle									
000490	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	26	0.47	50	Cone			-	033770
000492	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	23	0.63	50	Cone			-	033772
000790	2 µL plunger-in-needle (8 mm OD barrel), removable needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), for CTC autosampler, Thermo TriPlus, AS3000	23	0.63	50	Cone			034905*	034905*
002982	10 µL removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus, AS3000, AS2000, Varian 8400, 8410, CP-9010, CP-9050	26	0.47	50	Cone			037010	-
002984	10 µL removable needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for CTC autosampler, Thermo, Triplus, AS3000, AS2000, AS200, AS800	23	0.63	50	Cone			037787	-
002993	10 µL removable needle, 0.47 mm needle OD (26 gauge), 80 mm needle length, cone tipped, for CTC autosampler, Thermo, TriPlus	26	0.47	80	Cone			031535	-
Thermo Scientific AS3000 syringes									
Fixed needle									
0019811	5 µL plunger-in-needle (8 mm OD barrel), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, sheathed, Thermo AS3000, AS2000	23	0.63	50	Cone			-	-
0019821	5 µL plunger-in-needle (8 mm OD barrel), 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, sheathed, Thermo AS3000, AS2000	26	0.47	50	Cone			-	-
0029671	10 µL fixed needle syringe with 5 cm, 0.50 mm OD (25 gauge), cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200	25	0.50	50	Cone			-	-
0029761	10 µL fixed needle syringe with gas tight plunger and 5 cm 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone		P	-	03181201
0029771	10 µL gas tight, fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	26	0.47	50	Cone		P	-	03181201
0029801	10 µL fixed needle, plunger-in-needle (8 mm barrel OD), 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	26	0.47	50	Cone			-	-
0029861	10 µL fixed needle syringe with 5 cm 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone			-	-
Removable needle									
000490	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	26	0.47	50	Cone			-	033770

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
Thermo Scientific AS3000 syringes									
Removable needle continued									
000492	0.5 µL plunger-in-needle (6.5 mm OD barrel), removable needle, 0.63 mm needle OD (23 gauge), 50 mm needle length, for CTC autosampler, Thermo, TriPlus, AS3000	23	0.63	50	Cone			-	033772
000790	2 µL plunger-in-needle (8 mm OD barrel), removable needle, 50 mm needle length, 0.63 mm needle OD (23 gauge), for CTC autosampler, Thermo TriPlus, AS3000	23	0.63	50	Cone			034905*	034905*
0029841	10 µL removable needle, plunger-in-needle (8 mm barrel OD), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	23	0.63	50	Cone			037787	-
Thermo Scientific AS2000 syringes									
Fixed needle									
0019811	5 µL plunger-in-needle (8 mm OD barrel), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, sheathed, Thermo AS3000, AS2000	23	0.63	50	Cone			-	-
0019821	5 µL plunger-in-needle (8 mm OD barrel), 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, sheathed, Thermo AS3000, AS2000	26	0.47	50	Cone			-	-
0029671	10 µL fixed needle syringe with 5 cm 0.50 mm OD (25 gauge), cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200	25	0.50	50	Cone			-	-
0029741	10 µL fixed needle syringe with 8 cm 0.72 mm OD (22 gauge) cone tipped needle, for Thermo autosampler AS2000	22	0.72	80	Cone			-	-
0029761	10 µL fixed needle syringe with gas tight plunger and 5 cm 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone		P	-	03181201
0029771	10 µL gas tight, fixed needle, 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	26	0.47	50	Cone		P	-	03181201
0029781	10 µL fixed needle, plunger-in-needle (8 mm barrel OD), 0.47 mm needle OD (26 gauge), 70 mm needle length, cone tipped, for Thermo AS2000	26	0.47	70	Cone			-	-
0029801	10 µL fixed needle, plunger-in-needle (8 mm barrel OD), 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	26	0.47	50	Cone			-	-
0029861	10 µL fixed needle syringe with 5 cm 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone			-	-
0029871	10 µL gas tight, fixed needle, plunger-in-needle (8 mm barrel OD), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for Thermo AS2000	23	0.63	50	Cone		P	-	03181201
0029891	10 µL gas tight, fixed needle, plunger-in-needle (8 mm barrel OD), 0.63 mm needle OD (23 gauge), 80 mm needle length, cone tipped, for Thermo AS2000	23	0.63	80	Cone			-	-
0029921	10 µL fixed needle, 80 mm needle length, 0.47 mm needle OD (26 gauge), cone tipped, for Thermo AS2000	26	0.47	80	Cone			-	-
Removable needle									
0029841	10 µL removable needle, plunger-in-needle (8 mm barrel OD), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	23	0.63	50	Cone			037787	-
0029931	10 µL removable needle, 80 mm needle length, 0.47 mm needle OD (26 gauge), cone tipped, for Thermo AS2000	26	0.47	80	Cone			031535	-

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics and Thermo Scientific									
Fixed needle									
0029671	10 µL fixed needle syringe with 5 cm 0.50 mm OD (25 gauge), cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200	25	0.50	50	Cone			-	-
0029761	10 µL fixed needle syringe with gas tight plunger and 5 cm 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone		P	-	03181201
0029801	10 µL fixed needle, plunger-in-needle (8 mm barrel OD), 0.47 mm needle OD (26 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	26	0.47	50	Cone			-	-
0029861	10 µL fixed needle syringe with 5 cm, 0.47 mm OD (26 gauge) cone tipped needle, for Thermo autosamplers AS3000, AS2000, AS800/200, PK6	26	0.47	50	Cone			-	-
Removable needle									
0029841	10 µL removable needle, plunger-in-needle (8 mm barrel OD), 0.63 mm needle OD (23 gauge), 50 mm needle length, cone tipped, for Thermo AS3000, AS2000, AS200/800	23	0.63	50	Cone			037787	-
GC headspace applications									
CTC Analytics, Combi-xt headspace syringes									
Fixed needle									
008131	1.0 mL fixed needle CTC headspace syringe with energized gas tight plunger and 5.6 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	56	side hole	7.6	P		031841
008136	1.0 mL fixed needle CTC headspace syringe with energized gas tight plunger and 5.6 cm 0.47 mm OD (26 gauge), side hole needle	26	0.47	56	side hole	7.6	P		031841
008631	2.5 mL fixed needle CTC headspace syringe with energized gas tight plunger and 5.6 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	56	side hole	9.7	P	-	031851
008636	2.5 mL fixed needle CTC headspace syringe with energized gas tight plunger and 5.6 cm 0.47 mm OD (26 gauge), side hole needle	26	0.47	56	side hole	9.7	P	-	031851
008831	5 mL fixed needle CTC headspace syringe with energized gas tight plunger and 5.6 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	56	side hole	14	P	-	-
CTC Analytics PAL3, RTC, RSI headspace syringes									
Fixed needle									
008155	1.0 mL fixed needle CTC RTC autosampler and Thermo RSH headspace syringe with energized gas tight plunger and 6.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	65	side hole		P	-	032841
008655	2.5 mL fixed needle CTC RTC autosampler and Thermo RSH headspace syringe with energized gas tight plunger and 6.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	65	side hole		P	-	032846
008855	5 mL fixed needle CTC RTC autosampler and Thermo RSH headspace syringe with energized gas tight plunger and 6.5 cm 0.63 mm OD (23 gauge), side hole needle	23	0.63	65	side hole		P	-	-
LC applications									
CTC Analytics HTS, HTC, LC PAL, HTS-xt, HTC-xt syringes									
Fixed needle									
002710	10 µL fixed needle, 51 mm needle length, 0.72 mm needle OD (22 gauge), LC tip, for CTC autosampler	22	0.72	51	LC	6.5		-	-
002715	10 µL fixed needle, 51 mm needle length, gas tight, PTFE plunger tip, 0.72 mm needle OD (22 gauge), LC tip, for CTC autosampler	22	0.72	51	LC	6.5	P	-	031803
003715	25 µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), LC needle, 8 mm OD barrel	22	0.72	51	LC	7.6	P	-	0318922
004810	50µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	51	LC	6.5	P	-	031821

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
CTC Analytics HTS, HTC, LC PAL, HTS-xt, HTC-xt syringes									
Fixed needle continued									
005715	100 µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	51	LC	6.5	P	-	0318261
005720	100 µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), 0.4mm ID LC needle	22	0.72	51	LC	6.5	P	-	0318924
005331	100 µL fixed needle CTC/Thermo syringe with gas tight plunger and 5.1 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	51	LC	6.5	P		0318261
006720	250 µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	51	LC	8	P	-	0318926
007720	500 µL fixed needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), 0.4mm ID LC needle	22	0.72	51	LC	8	P	-	0318928
Removable needle									
005330	100 µL removable needle, CTC Thermo autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	51	LC	6.5	P	038250	0318261
006330	250 µL removable needle, CTC autosampler, PTFE tipped plunger, gas tight, 5.1 cm 0.72 mm OD (22 gauge), 0.4mm ID LC needle	22	0.72	51	LC	6.5	P	038250	031831
008120	1mL removable needle, CTC autosampler, PTFE plunger tip, gas tight, 51 mm needle, 22 g, with LC tip, 7.6mm barrel OD	22	0.72	51	LC	7.6	P	039180	0318444
008820	5 mL removable needle, CTC autosampler, PTFE plunger tip, gas tight, 51 mm needle, 22 g, with LC tip, 14 mm barrel OD	22	0.72	51	LC	14	P	031535	0318564
CTC Analytics PAL3, RTC, RSI, LSI syringes									
Fixed needle									
008150	1.0 mL fixed needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.72 mm OD (22 gauge), LC tipped needle	22	0.72	57	LC		P	-	032842
008950	10mL fixed needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 1.07 mm OD (19 gauge) LC tipped needle	19	1.07	57	LC		P	-	032855
Removable needle									
002880	10 µL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 0.72 mm OD (22 gauge), LC needle	22	0.72	57	LC		P	037880	032810
008151	1.0 mL removable needle CTC RTC autosampler and Thermo RSH syringe with gas tight plunger and 5.7 cm 0.72 mm OD (22 gauge), LC tipped needle	22	0.72	57	LC		P	039280	032842
008951	10mL removable needle CTC RTC and Thermo RSH autosampler syringe with gas tight plunger and 5.7 cm 1.07 mm O (19 gauge) ID LC tipped needle	19	1.07	57	LC		P	031590	032855
MS applications									
MS removable needle syringes. Needle available separately									
CTC Analytics PAL syringes (no needle included)									
002770	10 µL gas tight, removable needle, diamond version, for CTC autosamplers, syringe body and plunger only, needle available separately						P	-	0355170
003770	25 µL removable needle CTC MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355171
004770	50 µL removable needle CTC MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355172
005770	100 µL removable needle CTC MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355173

Syringes | Syringes and needles for LEAP autosamplers continued

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
MS removable needle syringes. Needle available separately									
CTC Analytics RTC, RSI, LSI PALs syringes (no needle included)									
002790	10 µL gas tight, removable needle, Diamond version, for Thermo RSH and CTC RTC autosamplers, syringe body and plunger only, needle available separately						P	-	0355190
003790	25 µL removable needle CTC RTC and Thermo RSH autosampler MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355191
004790	50 µL removable needle CTC RTC and Thermo RSH autosampler MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355192
005790	100 µL removable needle CTC RTC and Thermo RSH autosampler MS syringe with gas tight plunger, syringe body and plunger only, needle available separately						P	-	0355193
MS treated needles									
To be used with MS syringe sizes 10 µL - 50 µL for LC CTC Analytics PALs (CTC Analytics RTC, RSI, LSI choose 57 mm)									
0355210	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 10-50 µL PK1	22	0.72	51	LC			-	-
0355215	Needle, MS, 57 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 10-50 µL PK1	22	0.72	57	LC			-	-
0355220	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 10-50 µL PK1	22	0.72	51	LC			-	-
0355225	Needle, MS, 57 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 10-50 µL PK1	22	0.72	57	LC			-	-
0355230	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth, for 10-50 µL PK1	22	0.72	51	LC			-	-
0355235	Needle, MS, 57 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth, for 10-50 µL PK1	22	0.72	57	LC			-	-
To be used with MS syringe sizes 10 µL - 50 µL for GC CTC Analytics PALs									
0355510	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	50	Cone			-	-
0355512	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	50	Cone			-	-
0355520	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	50	Cone			-	-
0355522	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	50	Cone			-	-
0355530	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth, for 10-50 µL PK1	23	0.63	50	Cone			-	-
0355532	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth, for 10-50 µL PK1	23	0.63	50	Cone			-	-
To be used with MS syringe sizes 10 µL - 50 µL for GC CTC Analytics RTC, RSI, LSI PALs									
0355610	Needle, MS, 57 mm long, for Thermo RSH/CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	57	Cone			-	-

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
MS treated needles									
To be used with MS syringe sizes 10 µL - 50 µL for GC CTC Analytics RTC, RSI, LSI PALs continued									
0355612	Needle, MS, 57mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	57	Cone			-	-
0355620	Needle, MS, 57mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	57	Cone			-	-
0355622	Needle, MS, 57mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 10-50 µL PK1	23	0.63	57	Cone			-	-
0355630	Needle, MS, 57 mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth, for 10-50 µL PK1	23	0.63	57	Cone			-	-
0355632	Needle, MS, 57 mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.11 mm ID, cone tipped, ultra smooth, for 10-50 µL PK1	23	0.63	57	Cone			-	-
To be used with MS 100 µL syringe for GC CTC Analytics PALs									
0355511	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/ 0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 100-500 µL PK1	23	0.63	50	Cone			-	-
0355521	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/ 0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 100-500 µL PK1	23	0.63	50	Cone			-	-
0355531	Needle, MS, 50 mm long, for CTC autosamplers, 0.63 mm OD (23 gauge)/ 0.24 mm ID, cone tipped, ultra smooth, for 100-500 µL PK1	23	0.63	50	Cone			-	-
To be used with MS 100 µL syringe for GC CTC Analytics RTC, RSI, LSI PALs									
0355611	Needle, MS, 57 mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 100-500 µL PK1	23	0.63	57	Cone			-	-
0355621	Needle, MS, 57 mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth hydrophilic treatment, for 100-500 µL PK1	23	0.63	57	Cone			-	-
0355631	Needle, MS, 57 mm long, for Thermo RSH/ CTC RTC autosamplers, 0.63 mm OD (23 gauge)/0.24 mm ID, cone tipped, ultra smooth, for 100-500 µL PK1	23	0.63	57	Cone			-	-
To be used with MS syringe sizes 100 µL - 500 µL for LC CTC Analytics PALs (CTC Analytics RTC, RSI, LSI choose 57 mm)									
0355211	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	51	LC			-	-
0355213	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.37 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	51	LC			-	-
0355216	Needle, MS, 57mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	57	LC			-	-
0355221	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	51	LC			-	-
0355223	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.37 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	51	LC			-	-
0355226	Needle, MS, 57 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth hydrophilic treatment, for 100-500 µL PK1	22	0.72	57	LC			-	-
0355231	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth, for 100-500 µL PK1	22	0.72	51	LC			-	-

Part number	Part description and detail	Needle gauge	Needle OD (mm)	Needle length (mm)	Needle tip	Barrel OD (mm)	PTFE plunger tip	Replacement needle	Replacement plunger
MS treated needles									
To be used with MS syringe sizes 100 µL - 500 µL for LC CTC Analytics PALs (CTC Analytics RTC, RSI, LSI choose 57 mm) continued									
0355233	Needle, MS, 51 mm long, 0.72 mm OD (22 gauge)/0.37 mm ID, LC tip, ultra smooth, for 100-500 µL PK1	22	0.72	51	LC			-	-
0355236	Needle, MS, 57 mm long, 0.72 mm OD (22 gauge)/0.17 mm ID, LC tip, ultra smooth, for 100-500 µL PK1	22	0.72	57	LC			-	-

*Replacement needle and plunger kit.

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