



Product Briefing

Chromacol LLX Seals

Clean PTFE Seals for Liquid Extraction

- The PTFE seal is physically bonded to an open silicone sealing ring by a reagent-free process
- The seals firmly crimp onto 20mm or 11mm crimp top vials to give minimum volatile loss.
- Extraction through the PTFE film gives no physical contact of solvents with a silicone rubber surface.
- The seals use standard crimp and vial combinations.



Chromacol LLX seals provide:-

- The LLX seals give a clean PTFE surface contact with the liquid within the extraction vial.
- The LLX seal is able to seal firmly to the headspace vials due to the unique bonded silicone ring.
- The needle does not penetrate the silicone when liquid is extracted from the vials thus allowing thin needles to be used and to remove any possibility of cross contamination.
- The LLX seals can be used with 20mm crimp pattern headspace vials of volume from 6mL to 27mL without any use of modified crimp caps or special vials.
- The PTFE membrane is easily pierced by SPME needles, fused silica probes and pipette units.

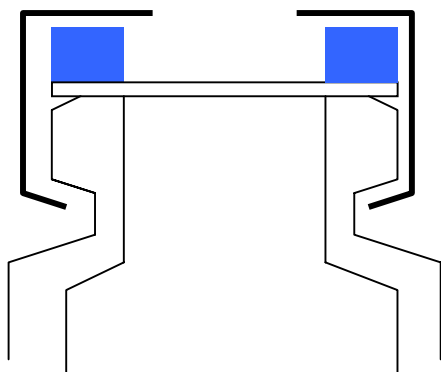
Chromacol LLX

Chromacol LLX Seal	Colour	Seal Material	Seal Type	Vial Compatibility
20-LLX	Clear PTFE/Blue Silicone	PTFE	Liquid Extraction	20mm Crimp Top Vials
11-LLX	Clear PTFE/Clear Silicone	PTFE	Liquid Extraction	11mm Crimp Top Vials

Chromacol LLX Seals

Inert Barrier Film

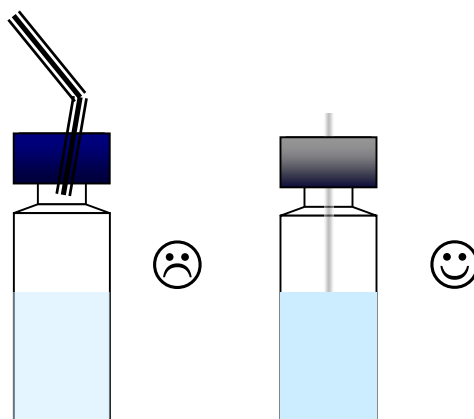
Thin layer but secure sealing.



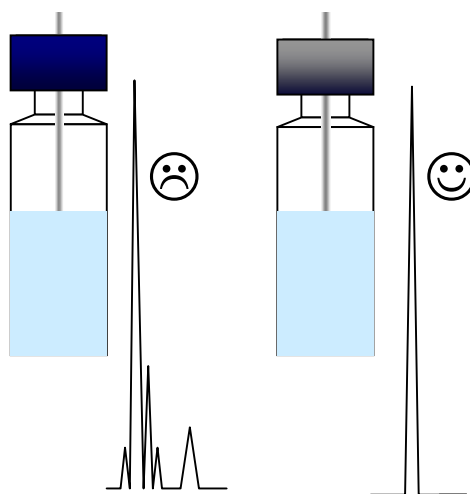
When using thin seals with 20mm crimp caps there is no need for a special vial or crimp cap to be used. This can be used with all crimp caps including magnetic versions required for CTC PAL auto samplers.

Prevent needle bending.

The thin PTFE seal prevent the bending and breaking of fragile needles., such as those used in SPME. The seal is intact until the first puncture.



Reduce sample contamination



The clean PTFE prevents contamination from solvent washing over and through any elastomer. The reagent free bonding adds no further chemicals to the seal and will not give extra peaks, even when used with GC-MS or LC-MS.