

Analysis down to the last fg Best results with the best glass

Are you convinced, that your glass vial is really inert and releases every trace of compound you put in it to 100% for further analysis?

Chromacol GOLD Grade Vials

You use a vial from a good brand, you may use a silanized vial, but are you sure you are not losing compound, especially, when the analyte remains for a longer time in the vial (e.g. as no. 50 in the autosampler) and you work with traces?

Or did you always have the feeling, that your quantification is not as accurate as it should be?

Today's vials in Europe are normally made of 1st hydrolytic class glass, according to all the different Pharmacopeias. But there are differences in the glass qualities meeting the Pharmacopeia requirement! A European 51 type glass is in specs, but for polar compounds, in ultra traces, the adsorption can be significant, up to 75% AND the value may vary from Lot to Lot or even from vial to vial! Are you willing to accept that?

If not: Thermo Scientific™ Chromacol™ GOLD grade vials are the solution. These vials meet every Pharmacopeia's requirements and provide a significant better low adsorption surface compared to all standard vials on the market with no surface treatment.

We are able to offer a FREE sample pack* of 6 different vials (two each) with and without micro insert for free, a meaningful white paper and a Europe wide trouble free access to all the products from the Chromacol GOLD grade portfolio.



Test Now!

to request your free test packages please contact us at info@sercolab.be

WebSeal Plate+ and Glass Coated Microplates

High quality polypropylene microplates coated with 200nm thick layer of silicone dioxide (= glass!). Plate+ provides microplates with a chemical resistance similar to glass while retaining the advantages of polypropylene. Eliminates the need to use glass limited volume inserts. Excellent for applications where plastic microplates are not applicable. Plate+ is chemically and thermally resistant and will tolerate temperatures from -80°C to +80°C. Lightweight, precision molded, cost-effective alternative to solid glass plates.

Plastic plates adsorb polar substances such as Nor-Buprenorphine, which leads into a recovery rate which is only 80%! Glass covered plates do not interact with polar analytes which leads into a recovery rate of 102 %.

For polar analytes it is recommended to use glass covered plates to avoid interactions with the surface. Furthermore glass coated plates are more inert towards organic solvents, therefore they are the better choice for HPLC and GC applications where a higher grade of organic solvents are required. **Test now!**



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Thermo Scientific Headspace Closures with Thinned Penetration Area Septa for SPME

The headspace technique requires temperature and pressure stable vials and closures. The closure need to provide four important features:

- Temperature stability up to 200°C
- Pressure stability up to 3 bar
- Resealability after first penetration
- Hardness compatibility for every type of GC needle, incl. SPME glass fibers

Especially the last two points are a challenge for many septa, as point 1 to 3 normally are fulfilled by septa with a thickness of 2-3 mm. But this gains especially for point 4 multiple issues due to needle bending or in the worst case needle breakage. To use a thinner septum touches directly point 2, as especially for a crimp vial, a thin septum does not provide enough compression on the glass crimp border to be tight and stable enough at elevated temperatures.

The new Thermo Scientific Chromacol STME septa with large thinned penetration for crimp and screw thread caps meet all 4 points perfectly!

Request your free samples* today and try it in your lab.



Test inert low absorption vials, SPE septa and glass coated microplates!

Order your FREE samples packages now on www.thermofisher.com/testnow

*This free test offer for vials, septa and microplates is valid in Europe (except Czech Republic), the Middle East and Africa regions only and expires on 31December 2018. Local restrictions may apply. Each user can order one free vial/septa and microplates package.