

NEWSLETTER

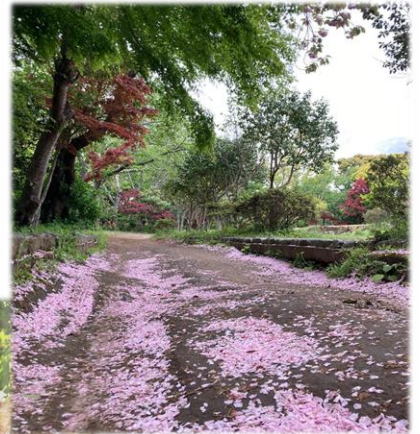
May 2021

Dear Friends,

Greetings from BioChromato – we hope you are safe and well!

Here in Fujisawa (a coastal city south of Tokyo) we are already starting to feel the seasonal benefits as we move into early summer.

While the COVID-19 situation is still challenging some aspects of life we are enjoying one of the most pleasant seasons at around 20C during the day – before it gets very rainy then very hot...



Below we have shared some of our latest new information and news with you.

Publications update

In January 2021 we shared a selection of our publications from the previous year. Since then, a new publication citing BioChromato technology is now available that you may be interested in.

["Mechanisms of specific systemic response in wheat plants under different locally acting heat stimuli"](#)

Maxim Mudrilov, Maria Ladeynova, Ekaterina Berezina, Marina Grinberg, Anna Brilkina, Vladimir Sukhov, Vladimir Vodeneev

Personal benchtop evaporator



Smart Evaporator C1

Do you know - how “easy” it is to evaporate samples using a Smart Evaporator?

Though the Smart Evaporator is often described as simple, easy, and efficient – the real test is when you try it and compare it to other evaporators. Detailed below is a summary of a trial comparing the Smart Evaporator protocol with the conventional evaporation method used for collecting analytes from NMR tube.

In short, using a Smart Evaporator for this application is not necessary to dilute the sample or transfer from container to container even when evaporating the high boiling point solvents. A great example of how easy the Smart Evaporator is to use and how it save you time and increase your productivity. A YouTube video of this trial can be seen [here](#).

Conventional method

1. Take the sample out from NMR tube
- ↓
2. Dilute the sample 10 times to reduce the concentration of the high boiling point solvent
- ↓
3. Absorb the sample in the ODS cartridge
- ↓
4. Rinse the ODS cartridge
- ↓
5. Elute the absorbed material with the low boiling point solvent
- ↓
6. Collect the analytes using the rotary evaporator



With Smart Evaporator

1. Take the sample out from NMR tube
- ↓
- ↓
- ↓
- ↓
- ↓
1. Collect the analytes using the Smart Evaporator



Spiral Plugs



available in 5 sizes

Spiral Plugs – what benefits do they deliver?

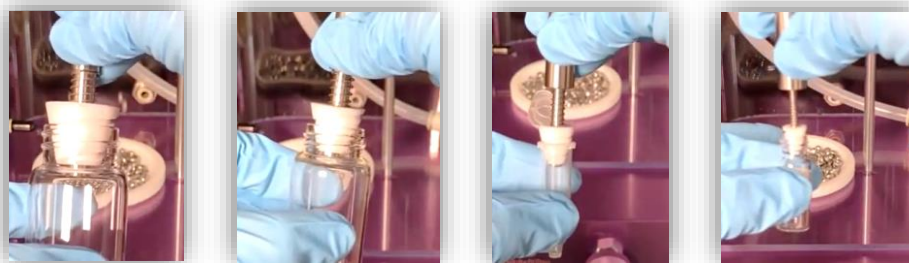
One of the factors that makes Smart Evaporator so good is our unique Spiral Plug technology. Using tapered plugs with specially designed carved slits generate the spiral air flow when operated with the diaphragm vacuum pump, and that promotes the efficient evaporation of the sample.

Because of the unique design of our Spiral Plugs, containers of various sizes and shapes can be accommodated in the Smart Evaporator* as long as the inner mouth diameter is between 4 and 32mm.

We have created a video showing how various containers fit with one of the plugs and to the Smart Evaporator.

Please find the [link here](#).

* Notes: Spiral Plug sizes 1 to 5 can be used with our Model C1 and K4 Smart Evaporators, which are also flexible to accommodate different container bottom shapes. Our C10 evaporator is compatible with size 1 to 3 Spiral Plugs using sample holders of limited size – please contact us for more detail.



New Distributor in INDIA



We are pleased to announce that now we have a distribution partner in India for the Smart Evaporator. If you are an Indian scientist and are interested in / want a quotation of Smart Evaporator, please feel free to contact your nearest SUNTEK Services offices. ([link](#))

* We have a growing network of distributors throughout Asia, Europe and the USA – click [here](#) for a full list or contact BioChromato for further information.



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Why not bookmark our regularly updated website: www.biochromato.com