



Compound management

Specs has nearly a quarter of a century of experience in processing and handling chemical compounds for the Life Science industry. Our vast knowledge in this field is offered through the Compound management service.

Compound management

Specs provides a total library management service including registration, reformatting in uniform vials, quality control, plating and storage. Entire screening libraries, historical collections or any small set of compounds can be processed.

These reformatted libraries show uniformity in vial or plate type, barcodes and data on its content, weight and purity of the vials and plates, all following your customized requirements.

All activities are directed by in-house developed software programs and barcode controls to allow for tracking and tracing of every compound throughout the process. Operations are carried out by trained personnel, either at the Specs facilities in Europe (Zoetermeer, The Netherlands), in the United States (Cumberland, MD) or at your premises. On all locations equal quality standards are applied.

History

We have been processing millions of compounds for the pharmaceutical, biotech and agrochemical industry worldwide since our first compound management project in 1996.

In 2003, with the increasing demand for these services from our customers in the United States, Specs opened its own facility in Cumberland, Maryland. Since then we have successfully executed projects containing ten to nearly one million compounds per project. References for these projects are available on request on info@specs.net.

Compound procurement

In order to acquire the compounds that you need for your research activities, it's not unlikely that these will have to be sourced from over twenty different vendors or more. Administration and handling involved to complete such an operation can become overwhelming. Specs has been acquiring compounds for over 25 years. We now offer our expertise as a service to third parties as well. Specs will order compounds from the indicated vendors on your behalf and under your pricing conditions. With only one contact, this process is much more clear and easier to manage. Only a small management fee will be applied.

Reformatting operations

Entire compound libraries from a variety of sources and in various formats can be reformatted to suit your individual requirements including labeling of vials or plates, quality control (LC/MS and 1H-NMR) and proper registration of the associated chemical structures.

Research samples in our plating process are weighed into new uniquely barcoded tubes and subsequently dissolved and plated in either 96-well or 384-well plates, depending on your specifications.



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Duplicate plate sets and back-up sets (so called 'Disaster sets') can be created with the same high degree of accuracy and stored at our facilities in Europe and the USA.

All activities are directed by our in-house developed and customizable software which monitors and controls every single step of the process. Finally your compounds will be organized with uniformity in vial type, labels, barcodes and details concerning tare weights and contents of the vials ensuring faster and more effective access to your compound repository.

On site operations

All reformatting operations can be performed on site. In this way your valuable compounds will not have to leave your facility. With our 'turn-key' projects Specs will take over the overall organization, investments in and management of personnel, hardware and software at your site location. References are available on request on info@specs.net.

Quality control

In the last years quality control has become an increasingly important issue within the compound management community. With state-of-the art equipment and dedicated staff, Specs is also a partner for your quality control projects for your stock or incoming compounds.

At Specs all compounds are subjected to strict quality control procedures. Both LC/MS and ¹H-NMR analyses are carried out per default to ensure the integrity and our purity guidelines. The use of this combination of two powerful, fundamentally different methods guarantees a robust quality control procedure.

Compound storage

Using our storage space and facilities in both Europe and the United States, we are ready to store your powder and liquid samples, format them on demand into any required format and distribute them to your site locations around the world. This service eliminates the need to have an organized compound repository on site while keeping your libraries easily accessible. Our storage conditions range from storage at ambient temperature to a cooled and refrigerated environment.

Compound ordering, handling, reformatting, plating, quality control, storage; Specs can take care of it all. In the end an organized delivery is made, one shipment, one database and one invoice. Ordering compounds has never been so easy.



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