

# COMPOUND MANAGEMENT



**Scott Snyder**  
Executive Vice President  
Compound Management

## OFFERING

Evotec is uniquely qualified in delivering its customers small and large molecule library management needs through over a decade of being the world's leading compound management operation. Evotec expanded its operational presence in 2013 and again in 2015 by adding capacity and capabilities in Branford Connecticut and Toulouse France. These facilities are strategically positioned to support the strong presence of Evotec's drug discovery services along the east coast of the U.S. and across Europe. Our service offering includes:

- ▶ Cost effective compound identification, selection, and procurement
- ▶ High-throughput compound analysis
- ▶ Multi-format plating and reformatting
- ▶ Inert or dry atmosphere and low temperature storage and processing
- ▶ Fast order fulfilment and worldwide delivery
- ▶ Multi-site disaster recovery and business continuity
- ▶ "In-sourcing" of Evotec sample management staff to client sites
- ▶ Access to compound collections of some of its partners through an open innovation strategy

Evotec has a broad range of compound management expertise across many sectors including large Pharma, biotechs, foundations

and governmental organisations; which results in a deep understanding of its customers' needs and deadlines. Each client has a dedicated Project Manager who provides a single point of contact to insure an open line of communication is always maintained.

## COMPOUND IDENTIFICATION, SELECTION, AND PROCUREMENT

Evotec has extensive experience in the identification, selection and procurement of small molecule compounds possessing very specific (including commercial, physico-chemical or bioactivity-related) properties. Evotec has the capability to apply compound identification tools as required by the client.

Once compounds are identified for purchase, our Project Management group consults with selected suppliers to negotiate terms on behalf of our client requirements, e.g. price, purity and format. Evotec purchases tens of thousands of compounds on a regular basis for a number of clients; therefore, the client can benefit from our vendor relations and volume discounts.

## COMPOUND QUALITY CONTROL

Evotec typically uses a three-part



incoming Quality Control ("QC") process comprised of weight, solubility and LC-MS purity and identity to ensure that all collections start with high-quality compounds. Systems include a Waters 8-channel LC-MS system, with digital UV, ELSD and an LCT Premier mass spectrometer, and two Waters LCT Premier XE uPLC systems featuring positive and negative ESI and UV and ELS detection. Evotec also utilises a Xevo G2 Q-TOF system for quantitative determination and high resolution of compounds in DMSO solution.

## COMPOUND STORAGE

Evotec has invested in industry-leading automated storage systems and supporting informatics. Storage capabilities support vials, tubes, plates and bulk materials at controlled temperatures of -80°C, -20°C (inert or humidity controlled atmosphere) and ambient. Actual storage conditions are dictated by sample type, containers and length of storage. Automated tube, vial and plate storage systems are equipped with high-speed pickers for fast arraying of tubes, plates and vials to support large plating, weighing and screening campaigns and rapid follow-up. Evotec can also prepare a disaster recovery set of the client's collection for storage at one of our other compound management facilities.

This set can be readily accessed and processed for distribution at the client's request.

## COMPOUND DISPENSATION AND REFORMATTING

### DMSO solutions

Evotec has the capability for automated arraying of large numbers of compounds in DMSO or in water between a large variety of containers suitable for distribution or storage. Our extensive liquid handling resources cover the widest range of possible volumes.

- ▶ High-volume systems include the eight channel pipettors, Tecan, Hamilton and Sias systems that can dispense and transfer 1 uL to multi-milliliters in vials and plates
- ▶ Mid-volume systems include the Beckman and Agilent plate replicators (formerly VPrep and Bravo) that can dispense from 1 uL to 2 mL to and from 96, 384 and 1536 SBS format arrays
- ▶ Low-volume systems include the LabCyte Echo 550 and 555 that acoustically dispenses volumes below 1 uL using multiples of 2.5 nL drops of solution, and the TTP Mosquito, which dispense volumes between 50 nl and 1.2 ml



### Neat compound dispensation

Evotec has the capability to transfer neat samples via manual weighing, Volatile Solvent Transfer ("VST") or Solvent Transfer methods, and using automation (Flexiweigh and XPert dose technologies). Range for automatic distribution goes from sub-milligram (0.2mg to 30mg).

**COMPOUND SHIPMENT**

Our team has extensive experience in shipping chemicals, research compounds, controlled substances and reagents. Evotec delivers and receives compounds in all formats, both domestically and overseas (including, but not limited to, North America, Europe and Asia). We are well-versed in docu-

mentation requirements, tariff classification and import/export customs requirements. We have the ability to facilitate the import/export processes through the use of brokers as required by the have client.

**DATA MANAGEMENT**

Evotec currently uses both a proprietary Compound Inventory

and Tracking (“ComIT”) software system and the industry leading commercial application (Titian Mosaic) to manage, record and report all manipulations of client samples. These systems operate independent of each other at different sites but both deliver end-to-end functionality and traceability.

**Experts in Sample Logistics**

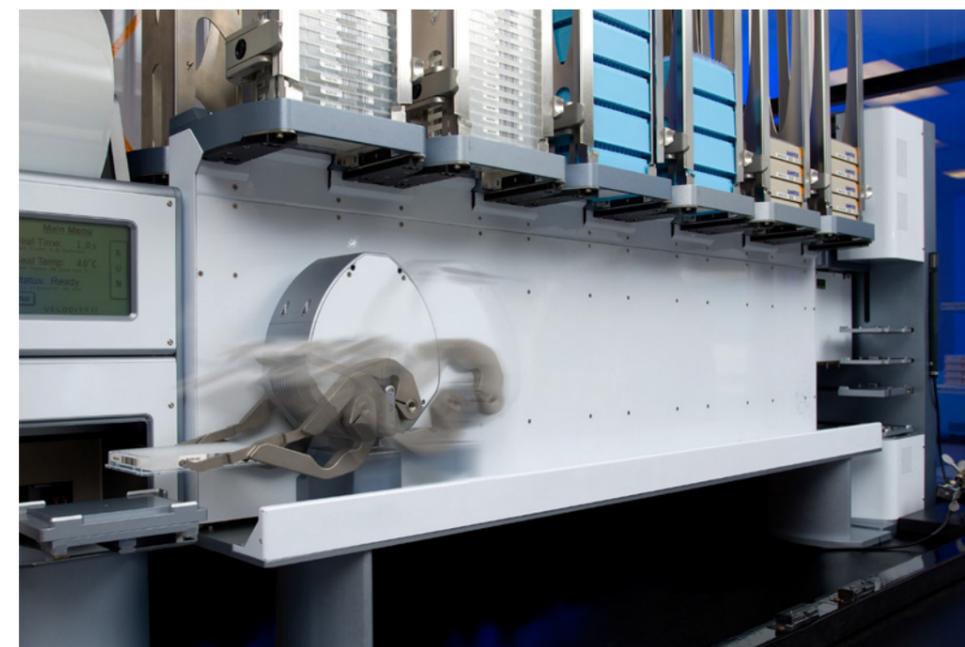


> 84 million samples delivered to 450+ recipients in 18 countries

In support of our disaster recovery and business continuity plans Evotec employs i365 Data Backup and Recovery Solution to store incremental backups on a nightly basis and full server backups on a weekly basis. Data is transferred to two offsite locations automatically. All data transmissions are encrypted and password protected at all times for security and confidentiality.

**QUALITY MANAGEMENT**

Evotec operates under the ISO9001:2008 Quality Management and internal auditing principles but is not formally ISO9000 certified. We have well-defined and documented procedures to monitor and ensure the consistency of our output. Our process enables us to find defects early in the process and our procedures ensure corrective action is taken whenever a defect occurs, with the goal being to implement correc-



tions with minimal impact to our final deliverables.

**IN-SOURCING AND CONSULTING SERVICES**

If a prospective client decides to retain compound management services within their operation then Evotec also offers both in-sourcing and/or consulting services. In these

instances, Evotec reviews requirements with our clients and design solutions including need identification, process design, facility layout, process workflow, vendor qualification and selection, and even complete staffing and management of onsite services.

Our in-sourcing programme provides scientific staffing specifically designed to give clients the “flexible” workforce needed for anywhere from one year to multiyear partnerships. We hire, train and manage our employees to perform analytical scientific programmes at client sites, using their quality systems. This advanced staffing model provides a non-permanent, long-term and cost-effective way to meet compound management staffing needs.

**EVOTEC TRACK RECORD**

- ▶ Build and operate both private and public screening libraries since 2004
- ▶ Largest individual library consists of ~1.2 million compounds
- ▶ Over 25 client collaborations working to individual specifications
- ▶ >84 million samples shipped to 450+ recipients in 18 countries
- ▶ Over 5 million samples acquired and processed for clients
- ▶ Experience with 223 compound global suppliers