2025/10/21 23:58 1/2 SYMPHONY X

SYMPHONY X

Symphony X		
Tool Type: "Automated Peptide Synthesizer"		
Location: "Elings Hall 2411"		
Supervisor	Tool Lead	
Morgan Bates	"Zachary Nett"	
morganbates@ucsb.edu	"zjnett@ucsb.edu"	
Description: "Symphony X"		

Manufacturer: "Gyros Protein Technologies"

automated and fully customizable cleavage.

About

The Symphony X (Gyros Protein Technologies) is a flexible, automated synthesizer that enables the preparation of novel peptides, peptoids, and other solid-phase synthesis sequence specific materials. It provides a viable route to non-commercial products, branched or cyclic materials, and a low-cost solution for non-natural amino acid-based peptides. The system also includes the ability to perform insitu pre-activation, special reagent additions with no waste of precious starting materials, as well as

Multi-user accessibility is facilitated via 24 fully independent reaction stations, enabling different sequences, scales, and protocols on multiple reactors simultaneously. Typical scales span 10 mg to 2 g of resin in 10- or 40-mL reaction vessels (RVs) with IR heating up to 90°C for one RV to accelerate difficult deprotections and couplings. Agitation of each RV is performed by nitrogen bubbling, oscillation mixing, or a combination of these. The Symphony X at BioPACIFIC has also been preconfigured with a number of optimized methods for rapid peptide and peptoid synthesis.

Detailed Specifications

Coming soon.

Safety Concerns

Coming soon.

Last update: 2024/05/02 17:50

Operating Procedures

Coming soon.

Reference Documentation

Coming soon.

Training Documentation

From:

https://bpm-wiki.cnsi.ucsb.edu/ - NSF BioPACIFIC MIP Wiki

Permanent link:

https://bpm-wiki.cnsi.ucsb.edu/doku.php?id=symphony-intro&rev=1714672223

Last update: **2024/05/02 17:50**

