

# SYMPHONY X

Symphony X	
<b>Tool Type:</b> Automated Peptide Synthesizer	
<b>Location:</b> Elings Hall 2411	
Supervisor	Tool Lead
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<b>Description:</b> Symphony X	
<b>Manufacturer:</b> Gyros Protein Technologies	

## 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 in-situ pre-activation, special reagent additions with no waste of precious starting materials, as well as automated and fully customizable cleavage.

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 pre-configured with a number of optimized methods for rapid peptide and peptoid synthesis.

## Detailed Specifications

Coming soon.

## Safety Concerns

Coming soon.

## Operating Procedures

Coming soon.

## Reference Documentation

Coming soon.

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