

## Custom Peptide Synthesis Made in Germany



Boost your immune research with custom-made peptides, synthesized **precisely to your specifications**. We manufacture our peptides in Germany according to the strict **guidelines of ISO 9001**, drawing on **25 years of experience** in peptide synthesis and in-house synthesis robot development.

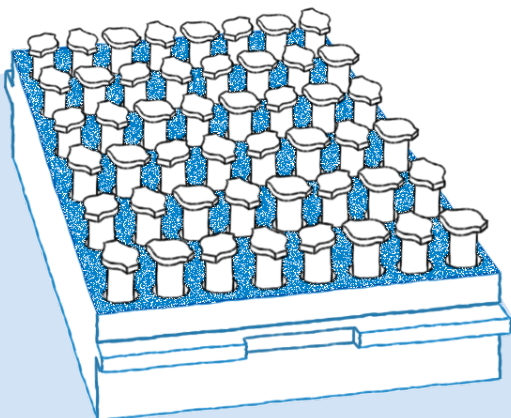
### Custom Peptide Libraries

We offer **research-grade** and **clinical-grade** peptide libraries to meet different experimental and regulatory requirements. **Post-translational modifications\*** can be incorporated.

Each peptide is individually synthesized and shipped lyophilized—either in **single vials** or arranged in **microtiter plates**.



➔ Access the quote request form for custom peptide libraries on [peptides.de](https://peptides.de)!



### Custom Peptide Pools

Peptide pools combine an **entire peptide library into a single vial**, enabling highly efficient and cost-effective screening of antigens and T cell responses.

Our custom pooling services include:

- Master pools
- Sub-pools
- Matrix pools
- Mini-pools



➔ Access the quote request form for custom peptide pools on [peptides.de](https://peptides.de)!

### Pre-Aliquoting Service

Our pre-aliquoting service is designed to **simplify your workflow** while **preserving the quality and stability** of your peptide solutions as pre-aliquoting minimizes freeze–thaw cycle.

- ➔ Simply specify your pre-aliquoting preference and the **desired size and number of aliquots** in the **order form**. Our team takes care of the rest, delivering high-quality peptides in precisely defined aliquots—ready for immediate use.

This service is available for custom-synthesized standard peptides, peptide pools, and peptide libraries.

## \*Comprehensive Peptide Modifications

To support a wide range of scientific applications, peptides&elephants offers an extensive portfolio of post-translational modifications:

**Phosphorylation:** Site-specific phosphorylation of serine, threonine, or tyrosine residues

**Acetylation:** N-terminal or lysine acetylation

**Labeling & Tagging:** Incorporation of biotin, DOTA, or fluorescent dyes such as FITC, TAMRA, and others

**PEGylation:** Attachment of polyethylene glycol (PEG) chains

**Spacer Attachment:** Integration of spacers of defined lengths

**Oxidation & Disulfide Bond Formation:** Controlled formation of disulfide bridges or targeted oxidation of methionine residues

**Amidation:** C-terminal amidation

**Methylation:** Methylation of lysine or arginine residues

**Palmitoylation:** S-palmitoylation of cysteine residues or palmitoylation of serine and threonine

**Sulfation:** Tyrosine sulfation

**Full Amino Acid Conversions:**

- Arginine → Citrulline.
- Glutamic Acid → Pyroglutamine

**Cyclisation** via:

- Disulfide bridges
- Head-to-tail cyclization
- Side-chain cyclization

**Non-Natural Building Blocks:**

- Modified Amino Acids: Incorporation of D-amino acids or N-methyl amino acids
- Integration of organic moieties



➔ Simply specify your **desired modifications in the order form** – our experienced team will ensure precise incorporation, fully aligned with your research objectives.

**pe**  
peptides&elephants

**peptides&elephants – your partner for custom peptide solutions**

With peptides&elephants, you benefit from manufacturer-direct expertise, advanced synthesis technology, and customizable solutions – from single peptides to complex libraries and pools.

**peptides&elephants GmbH**

Neuendorfstraße 20b • 16761 Hennigsdorf • Germany  
Tel: +49 (0) 3302 2022000 • Fax: +49 (0) 3302 2022001

[www.peptides.de](http://www.peptides.de)

## Any questions?

For consultation, further information about our peptide synthesis service or to place an order, feel free to contact our scientific support team at

[lips@peptides.de](mailto:lips@peptides.de)

