



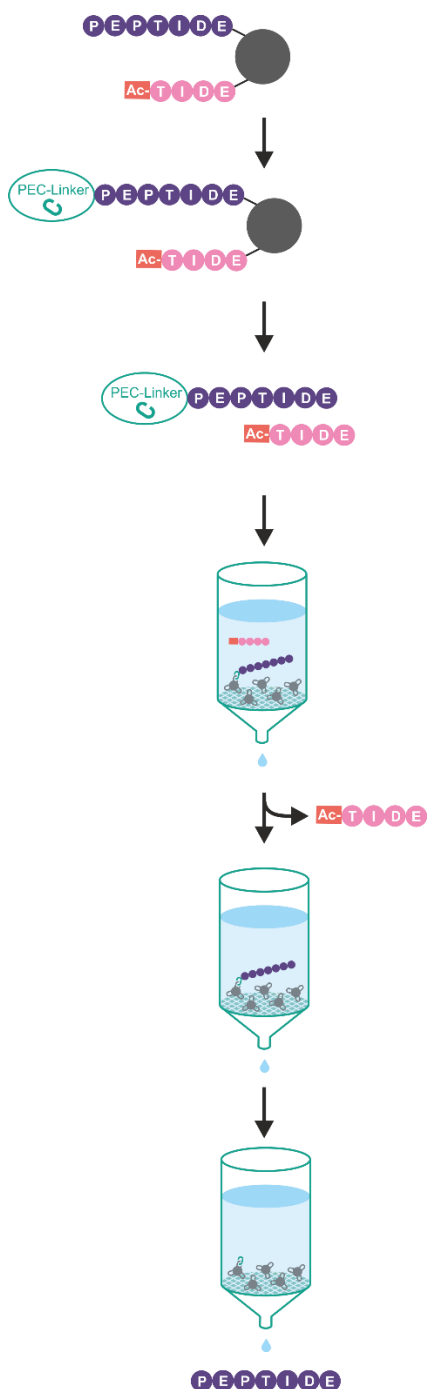
Iris Biotech

Empowering Peptide Innovation

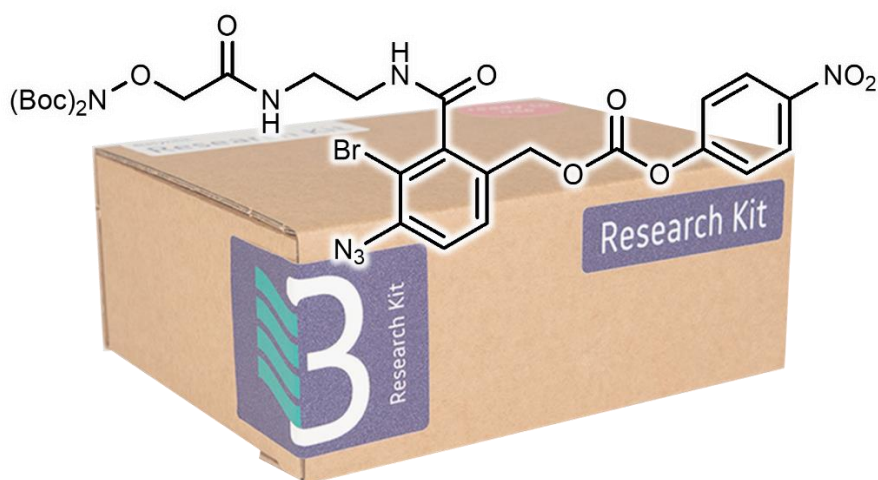
NEW

Belyntic

Peptide Purification Kit



- ✓ Fast & easy purification of crude peptides
- ✓ Instrument-free parallel purification
- ✓ Low solvent consumption
- ✓ Solubilization of hydrophobic peptides
- ✓ Hands-on explanation on YouTube



1. SPPS will result in the target peptide and truncated sequences.
2. At the end of SPPS the PEC-Linker is attached to the N-terminus of the target sequence.
3. All peptides are cleaved from the solid support with TFA.
4. The target sequence will bind via the PEC-Linker to agarose, subsequently truncated sequences and other reagents are washed away.
5. After traceless cleavage from the agarose the target sequence is collected in highly pure form.

- ✓ 75% less solvent consumption in comparison to HPLC
- ✓ 80% time savings when purifying eight peptides in parallel
- ✓ 100% purification selectivity due to chemical separation

References:

- A traceless catch-and-release method for rapid peptide purification. Oliver Reimann, Oliver Seitz, Dominik Sarma, Robert Zitterbart; *J. Pep. Sci.* 2019; **25(1)**: e3136. DOI: 10.1002/psc.3136.
- Robert Zitterbart, Oliver Seitz, International Patent, PCT/EP2017/051932, 29.01.2016, Belyntic GmbH, 2017.
- Robert Zitterbart, Oliver Reimann, Dominik Sarma, International Patent, PCT/EP2019/072894, 27.08.2018, Belyntic GmbH, 2020.



Iris
Biotech

Empowering Peptide Innovation

NEW

Belyntic

Peptide Purification Kit

Smart and efficient technology:

Step 1:

Standard SPPS with Fmoc/tBu strategy. Capping with acetic anhydride after each coupling.

Step 2:

Conjugation of the **PEC-Linker** followed by cleavage from the resin with TFA.

Step 3:

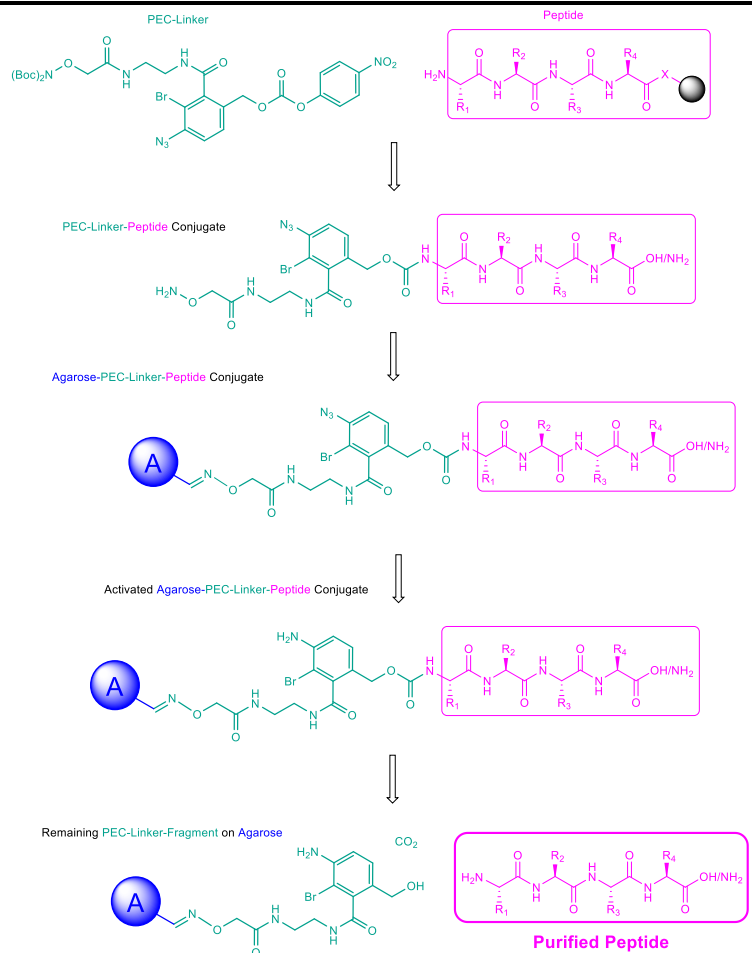
Immobilization of the **PEC-Linker-peptide** conjugate on **agarose** and removal of deletion sequences and impurities.

Step 4:

Activation of the **PEC-Linker**.

Step 5:

Release of highly **pure target sequence** from **agarose**, followed by collection and isolation.



The Ready-to-Use package comes with PEC-Linker, pre-filled cartridges, and related consumables:

	Research Kit 24 x 10 µmol	Research Kit 8 x 25 µmol	Research Kit 8 x 100 µmol
PEC-Linker	RC+	RC+	RC+
Activated filter material	Agarose100 Filled in 24 fritted syringe reactors	Agarose100 Filled in 8 fritted syringe reactors	Agarose100 Filled in 8 fritted syringe reactors
Reducing Agent	DTT (Dithiothreitol)	DTT (Dithiothreitol)	DTT (Dithiothreitol)
Blocking Agent	L-Cysteine	L-Cysteine	L-Cysteine
Buffer	mixture of citric acid/sodium carbonate	mixture of citric acid/sodium carbonate	mixture of citric acid/sodium carbonate
English Manual	included	included	included
Product Code	BYR2410	BYR0825	BYR8100
Price	€ 540.00	€ 350.00	€ 600.00