

Thank you for your interest in ordering a custom tetramer/monomer from MBL.

This information sheet aims to outline the various steps in the ordering and manufacturing of custom tetramers/monomers

Two options exist for ordering custom tetramers/monomers:

Option 1) MBL acquire bespoke peptide – peptide is part of the production process and internally validated by MBL

Option 2) Customer provides bespoke peptide – peptide is shipped to MBL

**Option 1) MBL acquire bespoke peptide**

* The “Custom Monomer/Tetramer Order Form”, available from Caltag Medsystems must be completed and returned to Caltag Medsystems ([office@caltagmedsystems.co.uk](mailto:office@caltagmedsystems.co.uk))
* A free of charge peptide feasibility prediction will be carried out. This is an “in silico” study is based on 2 algorithms that calculate the affinity of the peptide for a specific MHC class I allele.  After a peptide sequence submitted, the algorithms generate a score which determines whether or not there is a good probability that a peptide loaded monomer can be produced.
* Caltag Medsystems will then inform you of the result of the feasibility prediction. If successful, the peptide is synthesised and a feasibility study is performed. If unsuccessful, you can decide whether to proceed or not.
* A quote will be issued by Caltag Medsystems. Quotes consist of:

1. A peptide acquisition fee (Product Code TBCM-Class1-PF [MHC Class I] or TBCM-Class2-PF [MHC Class II]) – the cost for the manufacture of the bespoke peptide
2. A feasibility study fee (Product Code T05000)
3. The price of the tetramer/monomer (Note that there are different codes for a customer supplier peptide (CP) or a peptide provided internally by MBL (IP). The IP product codes are less expensive, but an additional peptide acquisition fee must be charged as above)

* If it is a monomer that you are interested in, a ziplock agreement will be sent with the quotation. This needs to be completed and returned before an order is processed.
* Please confirm to Caltag Medsystems that you would like to proceed with the order.
* Payment for custom tetramers/monomers is paid in 2 parts:  
  a) We would send you a pro forma invoice for the peptide acquisition fee (TBCM-Class1-PF or TBCM-Class2-PF) and the feasibility study (T05000). This needs to be paid prior to peptide synthesis.

b) Please also send a purchase order through for the price of the tetramer/monomer as manufacturing will automatically start if the feasibility study is successful.

* Synthesis of the peptide and a feasibility study using HPLC is then performed. This can take up to 2 months.
* If the feasibility study us unsuccessful, a report will be generated for you
* If the feasibility study is successful, tetramers/monomers will be shipped to you and you will then be invoiced for the tetramer/monomer.



**Option 2) Customer provides bespoke peptide**

* The “Custom Monomer/Tetramer Order Form”, available from Caltag Medsystems must be completed and returned to Caltag Medsystems ([office@caltagmedsystems.co.uk](mailto:office@caltagmedsystems.co.uk)).
* A “Customer Shipped Peptide – Tetramer and Monomer Information” form will then be sent to you, which must be completed and returned.
* A free of charge peptide feasibility prediction will be carried out. This is an “in silico” study is based on 2 algorithms that calculate the affinity of the peptide for a specific MHC class I allele.  After a peptide sequence submitted, the algorithms generate a score which determines whether or not there is a good probability that a peptide loaded monomer can be produced.
* Caltag Medsystems will then inform you of the result of the feasibility prediction. If successful, the peptide is synthesised and a feasibility study is performed. If unsuccessful, you can decide whether to proceed or not.
* A quote will be issued by Caltag Medsystems. Quotes consist of:
  1. a feasibility study fee (Product Code T05000)
  2. the price of the tetramer/monomer
* If it is a monomer that you are interested in, a ziplock agreement will be sent with the quotation. This needs to be completed and returned before an order is processed.
* Please confirm to Caltag Medsystems that you would like to proceed with the order.
* Payment for custom tetramers/monomers is paid in 2 parts:  
  a) We would send you a pro forma invoice for the feasibility study (T05000). This needs to be paid prior to the study.  
  b) Please also send a purchase order through for the price of the tetramer/monomer as manufacturing will automatically start if the feasibility study is successful.
* You send the peptide along with the completed Custom Order Peptide Data Information sheet to the following address:

MBL Bion – Tetramer Manufacturing

455 State St., Suite 100

Des Plaines, IL 60016

Attn: Receiving department

* The peptides have to be shipped to MBL at ambient temperature in a FEDEX envelope (or equivalent) in a small bag with some dessicant.
* Feasibility study using HPLC is then performed. The study can take up to 1 month.
* If the feasibility study us unsuccessful, a report will be generated for you.
* If the feasibility study is successful, tetramers/monomers will be shipped to you and you will then be invoiced for the tetramer/monomer.