



## About MassBiologics

MassBiologics is the only non-profit, FDA-licensed manufacturer of biological products in the USA. The organization was established in 1895, and for over 100 years, has worked to improve public health through applied research, development and production of biological products.

## Medicine for Better Lives

Our mission is to discover and develop products that will significantly impact public health. In particular, we focus on indications that have smaller patient populations and therapies for use in developing nations with limited resources and unique needs.

## Contract Development & Manufacturing

Our service organization provides clients with affordable access to our development and manufacturing expertise and resources. In doing so, we extend the reach of our mission, and are uniquely positioned to contribute to the success of your programs.



### MassBiologics

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Mattapan, MA 02126**

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Fall River, MA 02721**

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**Mattapan Facility**



**Fall River Facility**

*Medicine  
for  
Better Lives*

[www.massbiologics.org](http://www.massbiologics.org)

## Mattapan

### Development & Manufacturing

Our Mattapan facility supports the development and manufacture of monoclonal antibodies and recombinant protein therapeutics expressed in mammalian cell culture. Our development services include:

- *Analytical Method Development*
- *Cell line development*
- *Upstream Process Development*
- *Downstream Process Development*
- *Formulation Development*
- *Pilot Scale Production (100L)*

Processes and methods developed are evaluated and tested to determine suitability for use in cGMP production of human therapeutics before scale-up and transfer to the cGMP Manufacturing team. Our many decades of experience in the manufacture of commercial product makes MassBiologics an ideal CDMO partner for your program.

## cGMP Manufacturing

### Cell Culture

cGMP cell culture is performed in stainless steel ABEC bioreactors (500L & 2500L), single use bioreactors (50L, 500L & 2000L), and adherent cultures in CellStacks and Hyperstacks. Our team is experienced working with CHO, NS0, HEK cell lines as well as baculovirus/Sf9 for the production of clinical and commercial products.

### Fill/Finish

Our two aseptic fill/finish lines use RABS isolation technology to provide a high quality aseptic environment. We can accommodate clinical fills as small as a few 100 vials, and commercial campaigns up to 250,000 vials per campaign.



### QC Testing & Stability

Our QC group performs a full range of compendia and product specific testing on incoming raw materials and API, in-process, product release and stability samples.

## Fall River

### Development & Manufacturing

Our Fall River facility supports the development and manufacture of viral vectors and viral vaccines. Our staff is experienced in the development and manufacture of a wide variety of products, including AAV (multiple serotypes), lentivirus and gamma retroviruses. Production platforms supported include:

- *Adherent cell culture to 80x10CS*
- *Triple Transfection in Suspension Culture*
- *Baculovirus / Sf9*

The cGMP production areas include dedicated suites for cell banking and culture seed expansion. Three large and flexible production suites can be configured to support all of the above production platforms.

Aseptic filling is performed in a dedicated suite using a state-of-the-art Bosch filler that is specifically designed to minimize sample holdup losses, making this equipment very well suited for the production of vectored therapeutics.