

## **FAQs About Our Biopharma Contract Manufacturing**

- What experience does the American Red Cross have in performing contract manufacturing services?

We have performed contract manufacturing services for multiple biotech/pharma companies engaged in RUO activities and clinical trials.

- What physical infrastructure is available?

We currently perform contract manufacturing services in dedicated cleanrooms at our Philadelphia site. Depending upon client needs, we can utilize existing cleanroom space as-is or with minor modifications or build out new cleanroom space to meet unique client requirements.

- What is the scope of contract manufacturing services available?

In addition to perform the manufacturing of your cellular therapy product, we can provide supporting products and services. These include the provision of required blood or Human Cells, Tissues, and Cellular and Tissue-Based Products (HCT/P), specialty collections, a wide range of testing, and performance of specialized qualification assays on the manufactured product.

- In what geographies do you perform contract manufacturing?

Contract manufacturing services are currently performed in dedicated cleanrooms at our Philadelphia site. By leveraging our fixed site infrastructure and cellular therapy staff in other geographies, implementation of contract manufacturing services may be possible at other American Red Cross facilities in Portland, OR and Salt Lake City, UT.

- What is the anticipated timeframe to perform technology transfer and start-up contract manufacturing?

Typically, a technology transfer process will take between two and six months to accomplish. The exact timeframe depends upon the complexity and resource requirements related to the processes to be transferred.