

Case study

Developing custom multi-component buffer solutions

INTRODUCTION

A leading virotherapy contract development and manufacturing organization (CDMO) needed a new supplier for its multicomponent buffer solutions.

CHALLENGE

The customer needed three different multicomponent buffer solutions in different types of primary, single-use packaging in 0.5-litre, 20-litre, and 200-litre sizes. Custom fill weights, custom labeling, and aseptic connections were also required for the packaging.

Other customer requirements included new buffer compositions and recipes and a low volume of each buffer solution. In addition, the solutions had to be manufactured in animal-origin-free facilities.

AVANTOR SOLUTION

Avantor developed custom buffer solutions and test method that met all specifications and provided the flexibility needed to accommodate different compositions, testing, labeling, and packaging during the development. In addition, Avantor supplied validation batches to expedite the development process.

RESULT – VALUE TO CUSTOMER

Avantor manufactured the buffer solutions within the desired time frame. The solutions were manufactured and tested according to the customer's specifications for use in engineering runs. One sample was provided for each unit of buffer solution.

CUSTOMER BENEFIT

The customer received ready-to-use multi-component buffer solutions in multiple SU bags. All required regulatory documentation was supplied. A sample was provided with each unit, reducing the time and cost of quality control testing. The customer also saved time because Avantor supplied validation batches during process development and engineering runs.