

Cell Culture Sampling (Bottles)

The Challenge

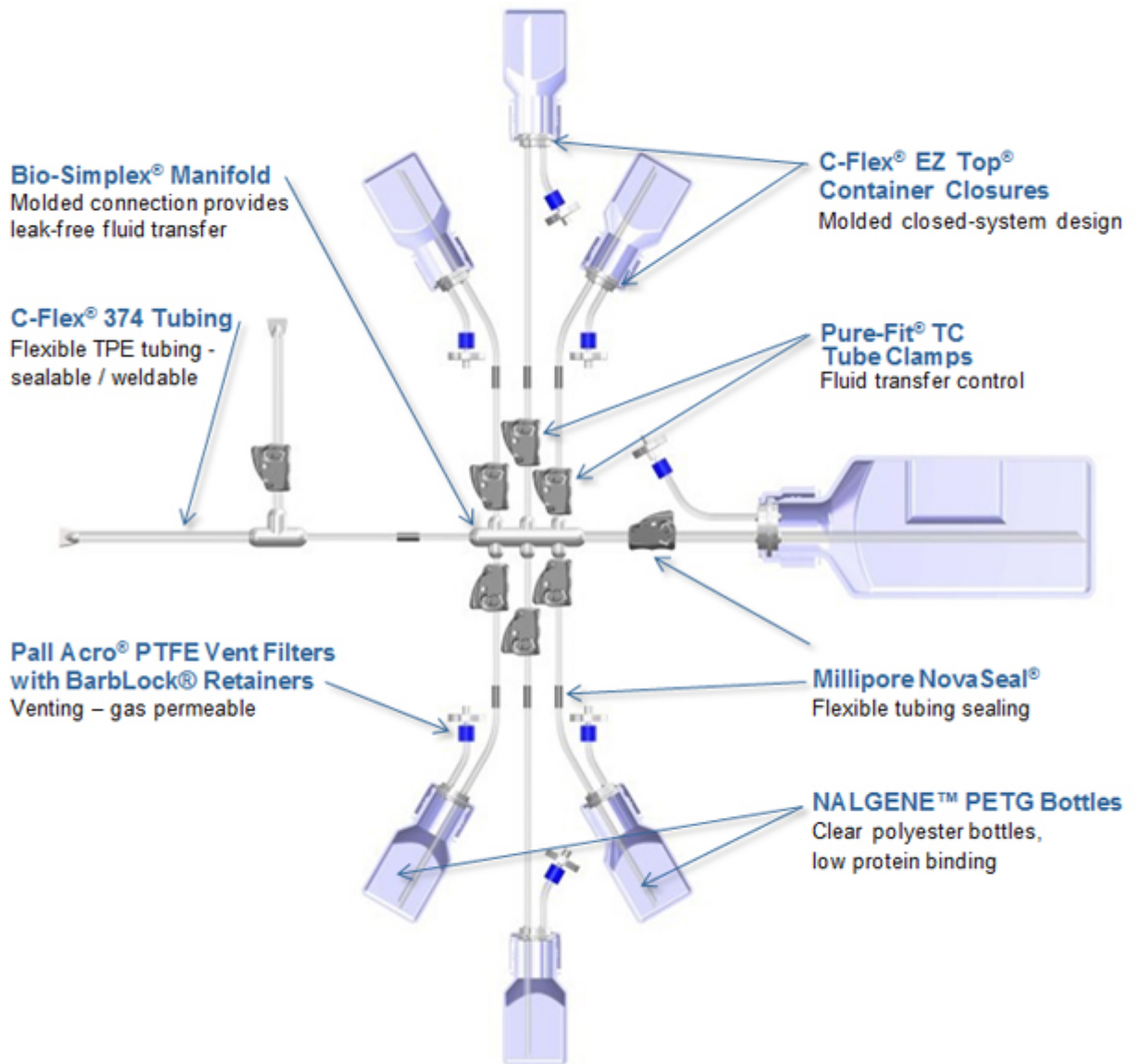
A monoclonal antibody developer required a sterile / aseptic sample collection system that supported their upstream cell culture process. They were currently using a sample collection procedure that exposed contents to their open manufacturing environment that could potentially result in sample contamination. Also, steam line purge prior to sample collection caused added concern that reduced cell counts and potentially denatured proteins may result during sample collection.

The Saint-Gobain Collaborative Design Services' Solution

Design Services reviewed customer's challenge and through a collaborative development effort created a C-Flex® backbone assembly with (6) NALGENE® 125ml PETG Bottles and (1) NALGENE 2L PETG Bottle. The integration of a Bio-Simplex® manifold with EZ Top® Container Closures into this system made for leak-proof aseptic connectivity. The addition of Millipore NovaSeal® Disconnects provided a method to individually crimp seal product samples without subjecting the system to an undesirable heat source.

Customer Experience

The new cell culture sampling system provided a higher level of confidence in product integrity assurance.



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