

CASE STUDY NO.1

Closed System Filtration

PROJECT SPONSOR

Cell therapy company with autologous treatment for neurodegenerative diseases

OBJECTIVES

To close the process of serum fractionation manufacturing and reduce process time

TIME FRAME

4 months

PROCESS DATA

	Original process	New process
Capacity	Up to 0.5L	4L – 10L
Process time	~8 Hr.	4 Hr.
No. of employees	2-3	1
Scalability	No	Yes
Quality	>70% of reference	85%-90% of reference
Process	Manual process, depend on employee skill	Controlled and repeatable process
Final product	Non-sterile	Sterile

