

## RoboSep<sup>™</sup> Robotic Cell Separator True walk-away automation of immunomagnetic cell separation



### RoboSep<sup>™</sup> robotic cell separator

Low volume, capital equipment used by research and clinical laboratories.

Designed and manufactured by StarFish Medical for StemCell Technologies Inc.



RoboSep<sup>™</sup> was created by StemCell Technologies Inc. as the first instrument to offer true walk-away automation of magnetic cell separation. When the client approached StarFish Medical the design was partially complete and the company was looking for a local partner to whom they could outsource the incremental design and volume manufacturing.

The design needed to be completed, verified, and hardened through the design transfer process in order to launch the product with the expected quality level. These phases of development, required extensive collaboration between the Starfish Medical and StemCell design teams.

### A TRUSTED PARTNER IN MEDICAL DEVICE DEVELOPMENT

RoboSep<sup>™</sup> includes a robotic arm and pump to process up to 4 samples at one time, and incorporates the client's proprietary magnet and bio-reagent technology to provide greater repeatability and throughput to the end customer.

The device incorporates an embedded PC and allows for connection to the internet and remote control. StarFish adopted all aspects of the design for the client, from software through to the shipping crate.

Extensive evolution of the device has occurred since product launch to accommodate cost reduction, design changes from the client, and quality improvements.

[www.starfishmedical.com](http://www.starfishmedical.com)

Technology Development | Product Design & Engineering | Electronics | Software | Regulatory | Manufacturing | Joint Ventures