

New!

BuffyCoatXL™

Automated Buffy Coat Detection & Extraction with XL150 & XL200

Blood Fractionation Processor

The BuffyCoatXL provides automated isolation and transfer of the buffy coat to help free up lab time for higher value tasks!



Remove the Buffy Coat Layer Consistently and Reliably!

Integrated with the XL150 or XL200 Vial Handlers, the BuffyCoatXL module identifies the buffy coat layer with precision, extracts it, and transfers it to another vial.

- Liquid Transfer is accomplished with the single channel Tecan Cavro ADP pipette module
- Disposable tips are discarded after each buffy coat transfer

Compatible Labware

- Vacutainers
- 15 mL Falcon Tubes

Please inquire if your labware is not listed

ANSI/SLAS Rack Capacity

The BuffyCoatXL module requires 4 deck positions, and can be removed when not in use.

XL150: 16 racks (max 20)

XL200: 26 racks (max 30)

Request a Quote for your XL150 or XL200 Vial Handler configured with the BuffyCoatXL Module at: biomicrolab.com/vial-handlers



Blood Fractionation Processor

Automated Buffy Coat Detection & Extraction

Overview

Processing speed is a critical component in biobanking and sample management applications, yet blood fractionation for DNA extraction has often been a time-consuming process. By automating the isolation of the Buffy Coat from whole blood, lab technician time is freed up for higher value tasks, accuracy and reliability is increased, risk of cross contamination is greatly diminished, and the process is more efficient overall.

How it Works

A Blood Fractionation detection module is mounted to the XL Series Vial Handler Sorting Platform (*Available with the XL150 and XL200 models*). A specially designed high-resolution camera detects the location and amount of each distinct layer with high precision. BioMicroLab's software then directs the pipette to extract the desired buffy coat layer for transfer to one, or many, destination microtubes or other container on the sorting platform.

Key Benefits

- ✓ **Sound Investment**
The XL150 or XL200 Vial Handler can still be used as a robust tube & vial handler if your applications change in your lab.
- ✓ **Hours of Walk-away Time**
Instead of manually transferring the buffy coat, this automated process consistently removes the buffy coat with precision and increases repeatability!
- ✓ **Extended Automation Possibilities**
Your LIMS compatible BioMicroLab XL Series Vial Handler is equipped with the modules you need for your application. Integrate Buffy Coat extraction with other sample management operations such as:
 - Automated vial barcode reading for sample tracking
 - Gravimetric volume detection to confirm sample transfers
 - Capping / decapping
 - Vial labeling
 - Liquid transfer for other samples and solutions