

BagPRESS *plus*

Universal Blood Component Separator

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Now with:

- Air reduction for filtered whole blood process
- Red cell over run protection for Top & Bottom processes
- Integrated weighing function for ALL components - Red Cells, Plasma, Buffy Coat, Platelets
- Secure data transfer to **Pall** Data with handshake
- Secure, ensured barcode entry for traceability and audit compliance





Bioelettronica **BagPRESS plus**
Universal Blood Component Separator

BagPRESS plus retains the robust build quality and flexibility of BagPRESS. Centrifuged blood may be processed into components using top/top and top & bottom technology and with the widest range of blood pack systems from all suppliers, worldwide.

FULL FUNCTIONALITY

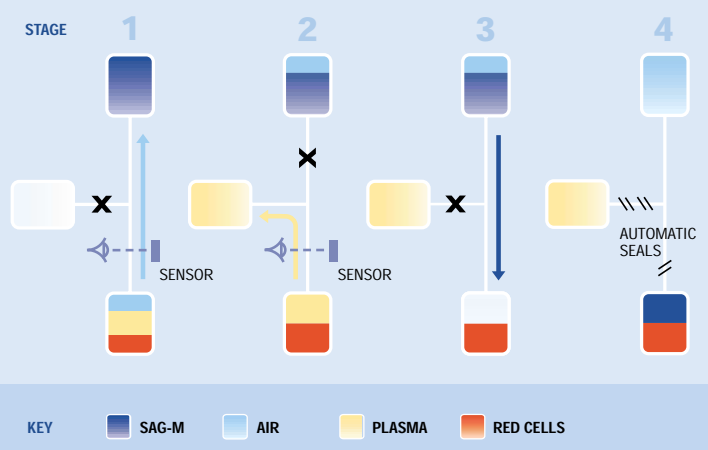
BagPRESS plus is comprised of an aluminium chassis with powder coated steel casing. BagPRESS plus has 4 integrated radio frequency sealers, 2 onboard balances to weigh plasma, red cells, platelets and buffy coat units, as required. BagPRESS plus is controlled and programmed by way of a wipe clean touch pad and backlit LCD display. Motive power for the expression is provided by a microprocessor controlled stepper motor, which is clean, quiet and reliable and obviates the need for an external compressed air supply.

AIR REDUCTION, RAPID PROCESSING AND AUTOMATED SEALING

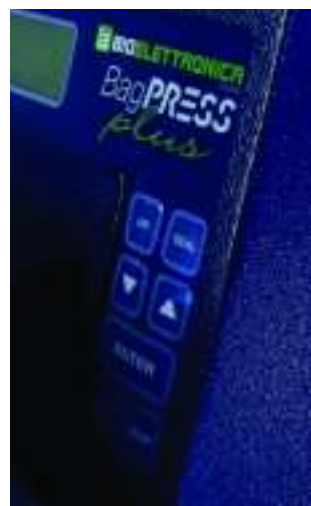
BagPRESS plus now features new functionality to automatically remove air from 3 bag top/top systems such as the **Pall Leukotrap WB** system. The top sensor is used to detect air which is diverted into the SAG-M (additive) pack prior to plasma expression into the plasma pack. At completion of plasma expression red cells are detected and SAG-M is automatically added to the red cells in the primary pack whilst the air remains in the SAG-M pack.



Front panel with interchangeable front plate.



Once complete, up to 3 seals can be automatically made on the red cell or plasma lines (e.g. 1 on red cell line and 2 on plasma line). This whole process is hands free and takes less than 2 min 30 sec, leaving users free to load and unload additional BagPRESS plus or perform laboratory tasks whilst BagPRESS plus maintains assurance that consistent product quality is maintained.



Touch Pad.



Radio frequency sealers and SAG-M clamp.

TOP AND BOTTOM AIR REDUCTION

Top and bottom processing also benefits from automated air reduction if a 5 bag system is used (e.g. single buffy coat systems). With 4 bag top and bottom systems air can be manually returned to the buffy coat pack at the end of the process and the plasma tubing conveniently sealed using the new 'Seal' shortcut key, saving manipulation and user time.

SPECIAL COMPONENTS

Special separations such as cryoprecipitate expression can be achieved using the flexible programmes included in BagPRESS *plus*. Cryo-poor supernatant and cryo-precipitate can be weighed and automatically saved into *Pall Data*.

RED CELL OVERRUN PROTECTION

New additional logic in the top and bottom processes virtually eliminates the possibility of red cell contamination of the plasma unit. The top sensor used in the top / top processes is now active during the top and bottom separation. This

means that in the unlikely event that the red cells threaten to overrun into the plasma then the red cells will be detected and the tubing clamped, ensuring red cell free plasma, every time.

TOP / TOP BUFFY COAT PRODUCTION

Buffy coats may be easily processed in top/top systems with full automation and complete weight capture and transmission to *Pall Data*.

PLATELET PROCESSING

Second stage buffy coat processing including in-process platelet filtration using systems such as the *Pall AutoStop BC* can be automatically performed. Expression pressure is carefully controlled to maximise leucocyte removal efficiency and platelet recovery. The optical detection system allows red cells to be detected and the 'c parameter' adjustment means that red cell overrun is prevented. Platelet weight is automatically logged and transmitted and buffy coat discard may be weighed for process control and optimisation purposes.



Pall Data.

DATA MANAGEMENT

Pall Data includes FTP (File Transfer Protocol) functionality to allow fully automated and secure data transfer into your main IT system allowing automated integration of component weights and full audit compliance of who processed every donation, when, how long the process took and on which BagPRESS *plus*. This minimises post processing pack handling saving staff time and allowing increased components lab productivity whilst improving GMP compliance.

DATA SECURITY

BagPRESS *plus* has two key features designed to guarantee data security;

- handshake between BagPRESS *plus* and *Pall Data*; a continuous confirmation from device to computer, with warnings, ensures that every event is logged
- barcode validation; processing can only continue when a valid (e.g. ISBT 128) barcode is entered. These features ensure that every processing event is fully accountable, if desired.

Top sensor for top/top red cell and air detection.

