

Atreus and OrbiSac

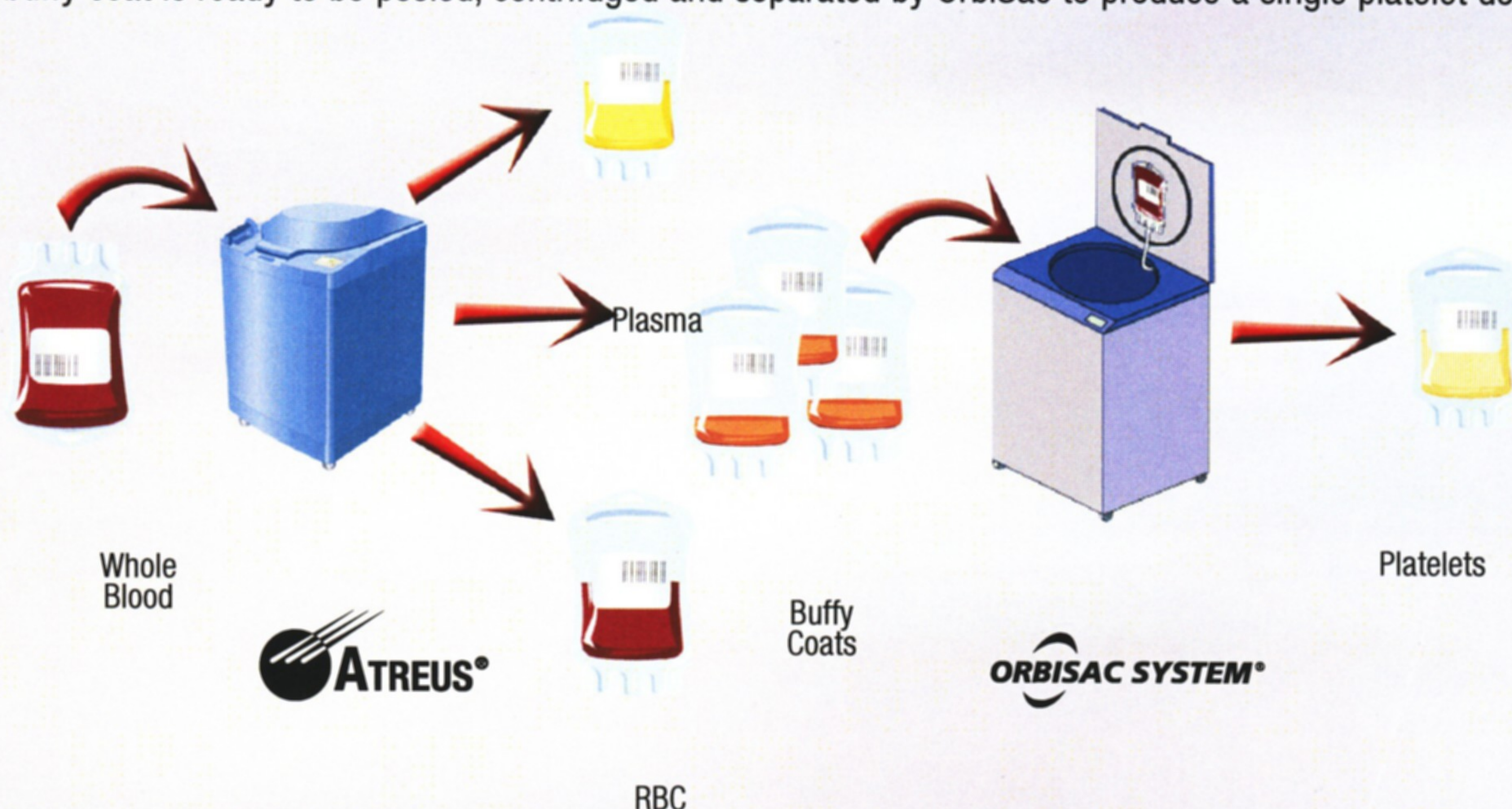
system synergy...a **unique** concept

blood component production with a power team from Gambro BCT

an **innovative** process

The Atreus system separates whole blood into three different components – plasma, red blood cells (RBCs), and buffy coat platelets.

- The plasma is leukoreduced by centrifugation and is ready to store.
- The RBC product is leukoreduced via off-line filtration and is ready to store.
- The buffy coat is ready to be pooled, centrifuged and separated by OrbiSac to produce a single platelet dose.



This synergy between Atreus and OrbiSac allows for the automated production of blood products, which saves time and reduces the potential risk of errors.

why automation?

These systems can provide several potential benefits for your blood centres:

- Simplicity
- Product quality and consistency
- Process optimization

 **GAMBRO BCT**
innovating at the speed of life

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simplicity

The Atreus and OrbiSac systems are easy to load and run. When used together, these two platforms effectively improve whole blood processing by:

- Removing labor-intensive steps that contribute to operator repetitive strain injury—centrifuge loading, buffy coat pooling and rinsing are all eliminated
- Improving staff satisfaction—procedures are faster, safer and easier to perform
- Limiting operator interaction—simply load the appropriate disposable into each system and push the start button to begin a procedure

product quality and consistency

Performing runs on both platforms improves product quality through automation and standardization, hence reducing the potential of human error.

The Atreus and OrbiSac systems use the unique concept of dynamic expression that allows the separation of components during centrifugation while simultaneously maintaining the interface. Dynamic expression dramatically reduces the risk of RBC contamination of plasma and platelets and ensures product consistency.

process optimization

Benefit from whole blood process optimization technology now and in the future. Use the Atreus and OrbiSac systems together to automate and consolidate key steps of the whole blood component separation process.

- Produce more products via a streamlined process
- Eliminate non-value added work time and product handling
- Reduce bottlenecks in the production process

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