Cell Processing Instruments Comparison Table

	Lovo®	Cue®
Functionality	Concentrate, Wash, Dilute	Concentrate, Wash, Dilute, Formulate, Aliquot
Configurabiliy	Users with administrator privileges may access full configurability to design protocols, which are then available with limited configurability to operators.	Users with administrator privileges may access full configurability to design protocols, which are then available with limited configurability to operators.
Concentration	As cell suspension is pumped into the spinner (Source), supernatant is removed across the membrane (Filtrate) and concentrated cells are pumped out of the spinner (Retentate). Concentrated cells exiting the spinner are directed to an intermediate bag.	As cell suspension is pumped into the spinner (Source), supernatant is removed across the membrane (Filtrate) and concentrated cells are retained in the spinner with up to 7 mL of residual supernatant.
Washing	• Wash buffer is pumped into the intermediate bag to dilute the concentrated cells. The cells may then be reprocessed through the spinner and intermediate bag to achieve additional supernatant removal and a higher percentage of wash buffer in the final product. • Up to 2 different wash buffers can be configured for use in a procedure.	• Wash buffer is pumped through the spinner to remove residual supernatant across the membrane. The wash buffer volume can be adjusted to impact supernatant washout. The washed cells are then harvested from the spinner (Retentate) and placed in an intermediate bag. Cells cannot be reprocessed through the spinner after entering the intermediate bag. • Up to 2 different wash buffers can be configured for use in a procedure.
Spinning Membrane Filtration	Continuous	Batch
Membrane Pore Size (µm)	0.8* or 4	4
Fluid Movement Approach	Peristaltic pumps with weigh scale feedback for volume accuracy. (1 g/mL weight-to-volume conversion, non-adjustable. For volumes exceeding 2.5 L, volume tracking is algorithmically determined by pump stroke and assumed volume per pump stroke.)	Syringe pumps with plunger position tracking for volume accuracy. (Syringe pump = part of single-use set, includes 0.2-µm air filter for functionally-closed, pneumatic actuation by hardware air pump.)

* Inquire for availability

ScaleReady

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	Lovo	Cue
Strategy for Clearing Cells From Tubing	Fluid Rinse	Air Rinse
Single-Use, Functionally-Closed Set*	Yes	Yes
Capable of Removing Platelets	Yes	Yes
Capable of Immunomagnetic Separation Preparation	Yes	No
Capable of Precise Mixing of Fluids at a Defined Ratio? (Formulation)	No	Yes
Temperature Control	No	Yes (Optional, 3–22 °C)
Typical Source Processing Speed (mL/min)	100–150	50
Maximum Source Processing Speed (mL/min)	200	100
Minimum Final Product Volume (mL)**	~60	10 (Bulk), 2 (Aliquot)
Number of Final Products	1	Up to 100
Electronic Records	Lovo DXT Data Management • Add-on product • DXT software recieves Lovo procedure record information via a wired or wireless connection. Software generates an uneditable procedure record document that can be downloaded and printed. • Supports 21 CFR Part 11 compliance.	Cue Desktop Application • Cue Desktop Application recieves Cue procedure record via USB. Software generates an uneditable procedure record document that can be downloaded and printed.
Weight	73 lb.	94 lb.
Dimensions	35.3″ × 17.6″ × 24.5″ (W × D × H)	35.3″ × 18.8″ × 32.6″* (W × D × H) [*max height]
Manufacturer	Fresenius Kabi	Fresenius Kabi
More Information	scaleready.com/lovo	scaleready.com/cue

* Set sterility is maintained via use of tube welding for connecting bags.
** Minimum volume that can be achieved may be dependent on the total number of cells present.

The Lovo and Cue Cell Processing System are for laboratory use only and may not be used for direct transfusion. Appropriate regulatory clearance is required by the user for clinical use.

Refer to the Lovo Cell Processing System Operator's Manual, Cue Cell Processing System User's Guide, DXT Administrator's Guide and DXT User's Guide for a complete list of warnings and precautions associated with the use these products.

For additional information, please visit **scaleready.com**.

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Contact us: info@scaleready.com

ScaleReady is a Joint Venture formed by Bio-Techne, Fresenius Kabi, and Wilson Wolf. Combining selected offerings from the three partners, the ScaleReady manufacturing platform combines tools and technologies for cell culture, cell activation and expansion, gene editing, and cell processing.

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