

Signata CT-5[®]

Preserving the promise™

Flexible automation for evolving cell therapy workflows

The Signata CT-5[®] delivers a smarter path to automation – empowering teams to streamline fluid handling without sacrificing the flexibility needed during process development. Whether you are establishing GMP protocols or conducting simple manual fluid transfers, the Signata CT-5 adapts to your workflow.

The Signata CT-5 brings multiple processes traditionally performed by manual techniques under a higher level of control to protect your products from loss or contamination.

Designed as a closed, configurable fluid management system, the Signata CT-5 supports scalable and consistent cell culture operations.



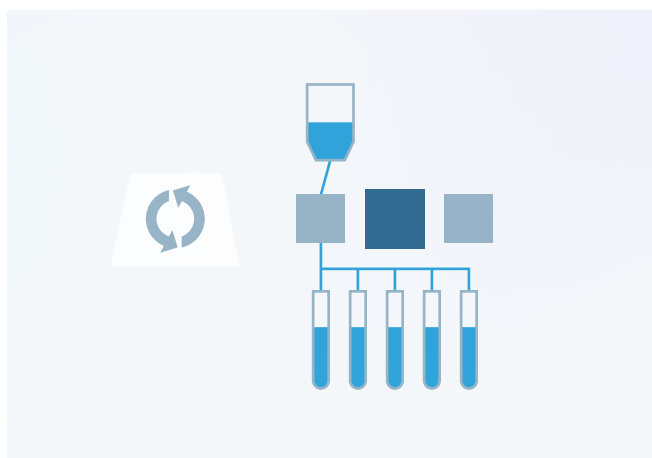
Versatile closed fluid management system

Fluid transfer doesn't have to be extremely complex – the Signata CT-5 can simplify your formulation/fill steps, or be utilized in downstream processing for final fill stages. The Signata CT-5 can also help you prepare reagents upstream for closed-media formulation.



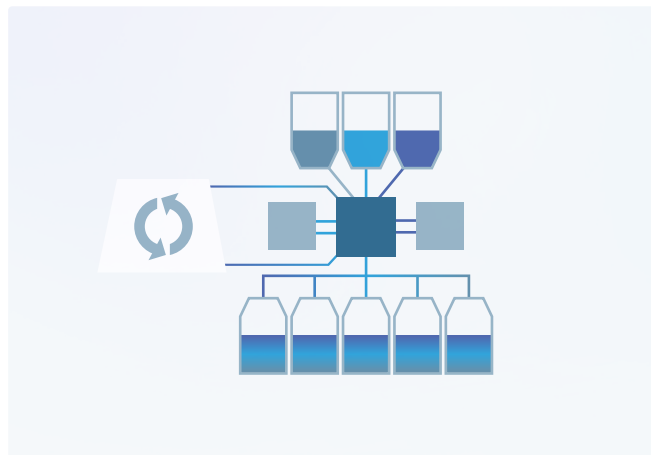
› Fill into vials or bags

The Signata CT-5 is the only system designed for flexible automated filling into both cryobags and CellSeal® Cryogenic Vials. Transfer contents from up to four sources directly into ready-to-use CellSeal cryovials or weld multiple bags onto the fill sets according to your need. Combine different containers to allow for QC or retention samples.



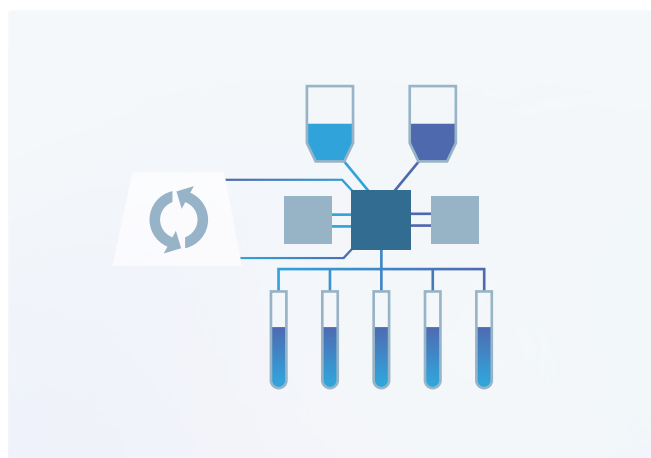
› Media formulation

Mix media from up to four sources and fill into aliquots ready to be used in your manufacturing processes.



› Final formulation

Formulation and final fill are combined into one automated processing step from up to three sources for precise control and productivity. Final components are added into a mixing bag that must be passively chilled, reducing the amount of time vital material is held at room temperature during filling.

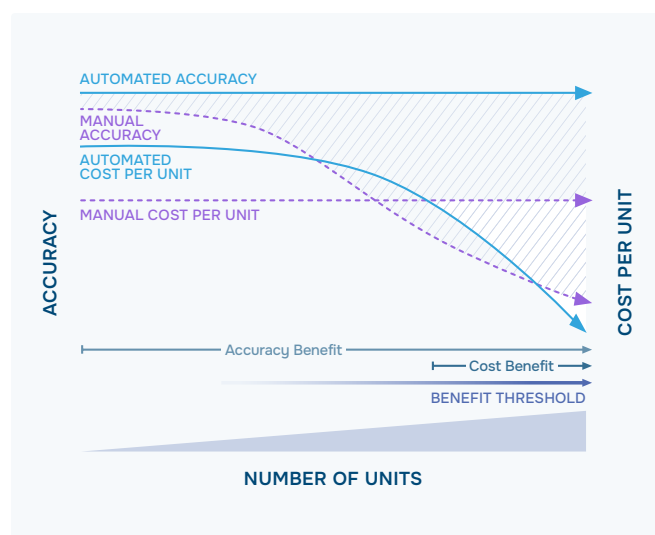


The future is customizable: smarter automation for precision cell processing

The Signata CT-5 accommodates weldable tubing for customers that wish to use their current vials or they can choose from CellSeal vials in both 2 mL and 5 mL sizes or cryogenic bags in 50 mL, 250 mL, or 500 mL sizes.

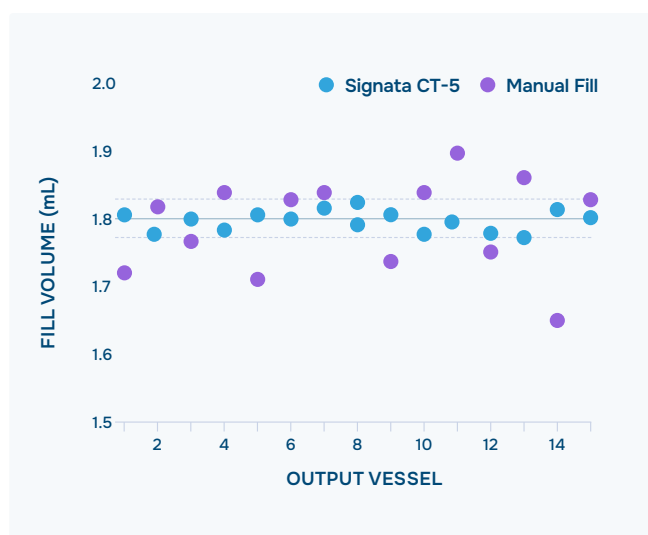
› Efficiency

Signata CT-5 was designed to reduce repetitive manual processes, freeing up highly-skilled scientists to do the work of discovery. With flow rates up to 528 mL/min, you can expect reduced time and costs while also improving accuracy by minimizing contamination and potential failure points.



› Accuracy

Signata CT-5 fill volumes are accurate to within +/-5%. Transitioning fill fluid transfer processes from manual fill to automation improves outcomes, decreases human error, and reduces costs.



› Integration

In a world defined by rapid innovation, there's no better time to harness the power of automation.

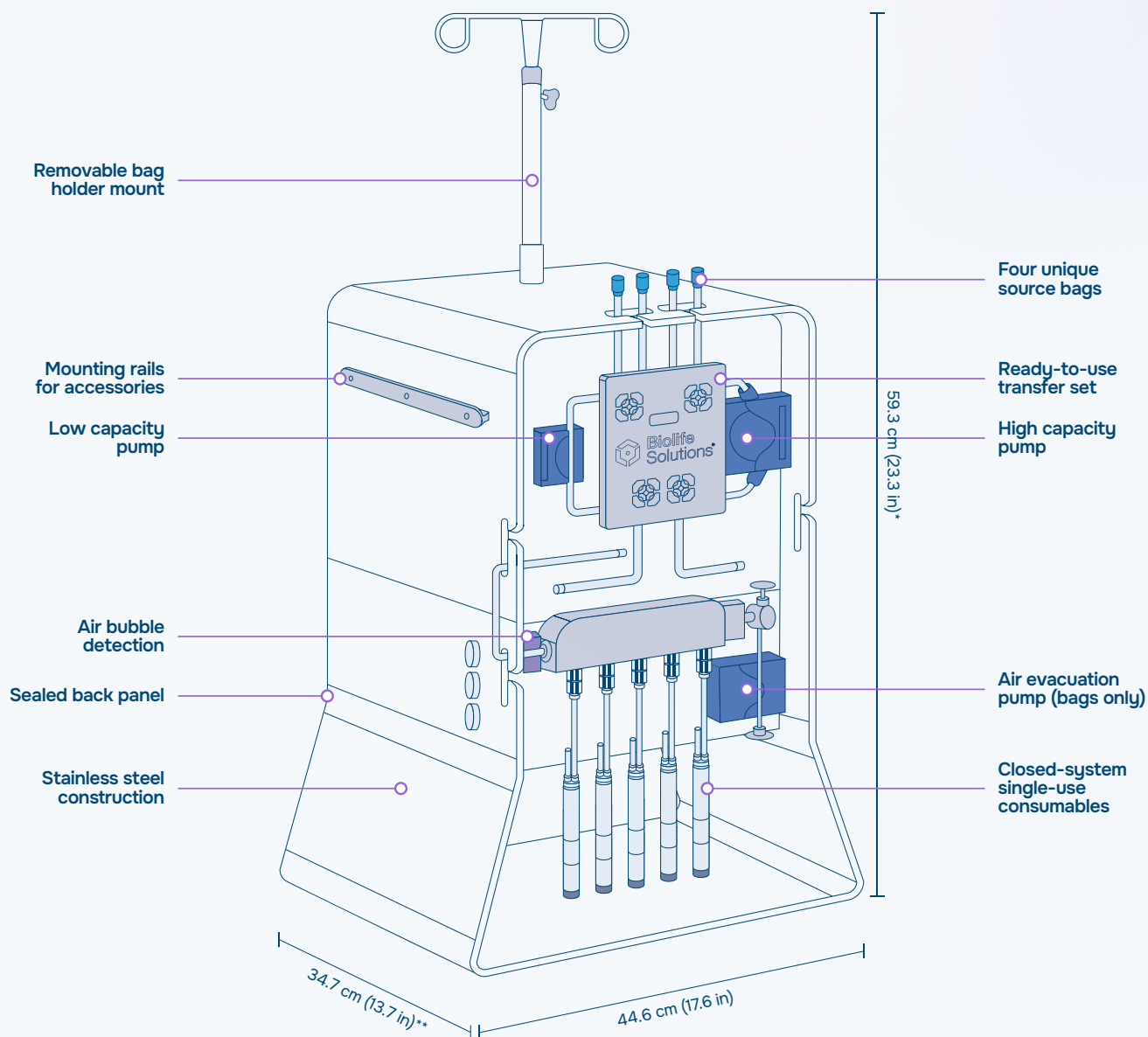
The Signata CT-5's compact table-top design will improve process flows within your facility's operating conditions – and is compatible with general output consumables.

Fluid management, closed-system consumables, and optimal fluid transfers are controlled and monitored through a tablet interface. Generate electronic batch records for repeatable results inside a fully-customizable personal manufacturing system.



Signata CT-5

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Simplified rendering of the Signata CT-5

*Includes bag holder mount. **Does not include cabinet door and seal.

Signata CT-5

Specifications

› Flow rates:

Pump 1: 44 mL/min maximum.

Pump 2: 528 mL/min maximum.

› Dimensions (W x H x D):

Base CT-5 system: 44.6 cm x 55.9 cm x 34.7 cm.
Base height dimension does not include removable bag holder mount.

Shelf (removable): 23.5 cm x 15.2 cm x 35.6 cm.

Signata Formulation Module: 35.6 cm x 36.4 cm x 24.1 cm.

› Mains voltage & current requirements:

100 – 240 VAC, 50 – 60 Hz.

Remote tablet: 110/120 ~V or 220/240 ~v, 50/60 Hz.

› Cleaning:

Cabinet: 70% Isopropanol in water.

› Weight:

Base CT-5 System: 33.6 kg (74 lbs).

Signata Formulation Module: 14.5 kg (32 lbs).

› Operating conditions:

10-40 °C, 35%-95% R.H., up to 2000 m above sea level.

Software is validated for the use with a Wi-fi wireless connection.

› Noise level:

Maximum of approximately 65 dBA.

› EU Compliance:

EC Declaration of Conformity available.

› Ordering Information:

Signata CT-5, Closed Fluid Handling System
Part #: CT-5

Signata CT-5 Transfer Consumable
Part #: CT5-T1

Signata CT-5® Mixing Consumable
Part #: CT5-M1-FXM2

Reach out to your BioLife representative for assistance with Output consumable options and other services.



For more information or to schedule a consultation contact us at info@biolifesolutions.com