



**Product Information Sheet**

**Product Name:** ScatterBridge®

**Lot Number:** 103073

**Product Number:** SSB-34-A

**Lot Issue Date:** SEP2026

**Storage Conditions:** 2-8°C

**Expiration Date:** JUL2028

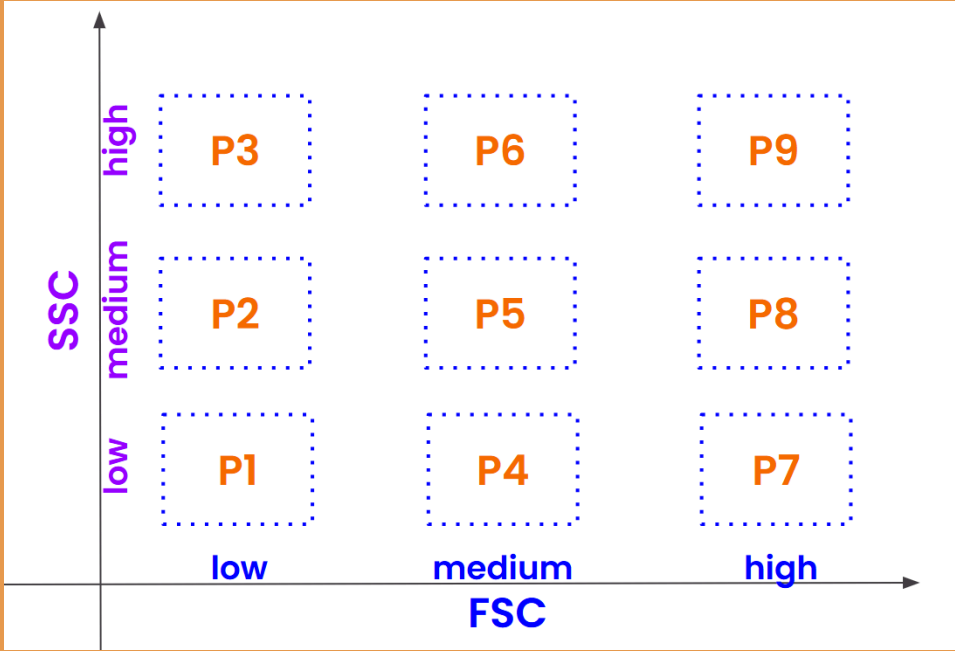
**Property Values and Description**

**Material Description:** A stable, non-biohazardous reference control composed of precision-engineered synthetic hydrogels.

**Appearance:** Hydrogels suspended in aqueous solution and are packaged in a convenient dropper bottle.

**Intended Use:** This product is intended for use as an instrument-to-instrument standardization control for scatter. It can also be used to optimize FSC and SSC detection on flow cytometers.

| Qualitative Property             | Assigned Identity                                                                                                    | Method of Verification           |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Population Identity & Ordinality | Presence and maintained ordinal arrangement of nine distinguishable populations occupying a defined 3×3 scatter grid | In-house flow cytometry analysis |

| Qualitative Property                                                                                                                                  | Assigned Identity                | Method of Verification           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|
| <p><b>3 x 3 Scatter Grid Ordinal Relationship Definitions</b></p>  |                                  |                                  |
| Population                                                                                                                                            | Median FSC                       | Median SSC                       |
| Population1 (P1)                                                                                                                                      | $P1_{FSC} < P4_{FSC}$            | $P1_{SSC} < P2_{SSC}$            |
| Population2 (P2)                                                                                                                                      | $P2_{FSC} < P5_{FSC}$            | $P1_{SSC} < P2_{SSC} < P3_{SSC}$ |
| Population3 (P3)                                                                                                                                      | $P3_{FSC} < P6_{FSC}$            | $P2_{SSC} < P3_{SSC}$            |
| Population4 (P4)                                                                                                                                      | $P1_{FSC} < P4_{FSC} < P7_{FSC}$ | $P4_{SSC} < P5_{SSC}$            |
| Population5 (P5)                                                                                                                                      | $P2_{FSC} < P5_{FSC} < P8_{FSC}$ | $P4_{SSC} < P5_{SSC} < P6_{SSC}$ |
| Population6 (P6)                                                                                                                                      | $P3_{FSC} < P6_{FSC} < P9_{FSC}$ | $P5_{SSC} < P6_{SSC}$            |
| Population7 (P7)                                                                                                                                      | $P4_{FSC} < P7_{FSC}$            | $P7_{SSC} < P8_{SSC}$            |
| Population8 (P8)                                                                                                                                      | $P5_{FSC} < P8_{FSC}$            | $P7_{SSC} < P8_{SSC} < P9_{SSC}$ |
| Population9 (P9)                                                                                                                                      | $P6_{FSC} < P9_{FSC}$            | $P8_{SSC} < P9_{SSC}$            |

## Quality & Technical Confidence

**Homogeneity:** The qualitative homogeneity of the batch was verified by randomly selected samples taken at the time of manufacture using validated in-house test methods for a batch

size of minimum 40 vials. All sampled units demonstrated consistent identity and gating resolution across all nine (9) cell mimic populations. This product is homogeneous provided that the instructions for use are followed.

**Stability:** Long-term stability was established using an accelerated aging model simulating up to 48 months at recommended storage conditions (2–8°C). Short-term transport stability was verified under ambient and temperature-stressed transit conditions. Ongoing stability monitoring is maintained throughout the assigned shelf life to ensure sustained population identity, gating resolution, and 3×3 grid ordinality.

**Metrological Traceability:** The assigned qualitative properties of ScatterBridge® are established through a controlled flow cytometry measurement system. Metrological traceability is achieved through the application of validated measurement procedures performed using calibrated and verified flow cytometers whose performance is maintained under SSB's equipment and measurement control processes. Traceability is further supported through instrument verification, standardized measurement procedures, characterization studies, and production verification activities demonstrating consistent assignment of the qualitative properties.

**Commutability:** Commutability is established for qualitative scatter grid ordinality across major conventional and spectral flow cytometry (Amnis® ImageStream®X, BD FACS Discover™ S8, Thermo Fisher Attune™ CytPix™, Thermo Fisher Attune™ NxT, Cytex® Aurora, BD FACSCanto™ II, BD LSRFortessa™, BD LSR II, BD FACSymphony™, and BD FACSAria™ III) under standard aqueous measurement conditions.

**Technical Summary:** Technical confidence in assigned qualitative properties is supported by integrated batch characterization, verified lot homogeneity, stability testing, metrological traceability, multi-platform commutability evaluation, and manufacturing controls. These controls collectively ensure consistent performance for instrument scatter standardization.

#### Instructions for Use:

1. Vortex bottle for 2-3 seconds to resuspend the product.
2. Add 1 drop to desired amount (150-300 µL) of PBS or sheath fluid in a FACS tube or well in plate.
3. Vortex mixture on high for 2 seconds to mix thoroughly.
4. Acquire and view the populations by positioning the P1 population at the lower left hand corner of the scatter plot, while ensuring that the P9 population (upper right hand corner) is not off-scale. Adjust gains or instrument voltage settings as necessary.
5. For best resolution, set the cytometer flow rate to low.

**Safety:** No special handling or safety precautions are necessary. Please refer to the Safety Data Sheet (SDS) supplied with this product. If you require a copy of the original SDS issued with this product, email [support@slingshotbio.com](mailto:support@slingshotbio.com) quoting product number, lot number and expiry date, which can be found on this product information sheet. It is the responsibility of the user of this

material to establish health & safety practices to determine applicability of regulatory limitations prior to use.

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organization certified to ISO 9001 | <p>Producer:</p> <p>Slingshot Biosciences</p> <p>1250 45th St, Suite 150</p> <p>Emeryville, CA 94608</p> <p>Phone: +1 (510) 770-6806</p> <p>Email: <a href="mailto:support@slingshotbio.com">support@slingshotbio.com</a></p> <p>Website: <a href="http://www.slingshotbio.com">www.slingshotbio.com</a></p>  |
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