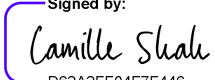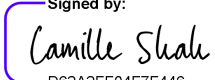|	
Title:	**SpectraComp Supplier Certificate of Analysis (SSB-05-B)**
Document type:	**Certificate of Analysis (v3.0)**
Document ID:	**COA-54**
Author:	Simon Au
Owner:	Simon Au
Approver(s):	Simon Au *approved at 2025-01-02 10:28 (UTC -0800)* Cellen Lainee Santos *approved at 2025-01-02 10:29 (UTC -0800)*
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Effective date:	2025-01-02
Next periodic review date:	N/A

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1. Certificate of Analysis

Scope	The product details below have not been cleared by the FDA for In Vitro Diagnostic use. These values are provided for Research Use Only. Not for use in diagnostic procedures.
Product Description	SpectraComp 100 Tests, Unmixing and Compensation Particles
Material Number	SSB-05-B
Product Lot	102784
Manufacturing Date	DEC2025
Expiration Date	DEC2028
Reference Lot	101012
Positive Bead Lot Number	102783
Negative Bead Lot Number	Combined BLR004_101923_101436
Buffer Information	1X PBS at pH 7.4 / 1% BSA / 0.05% Sodium Azide
Storage Temperature	2 - 8°C
Country of Origin	United States of America

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Specification	Results	Pass/Fail
Target MFI: +/-25% Reference Lot (Cytek Aurora / FITC) (Mouse, Rat, Hamster)	Mouse: -11.188% Rat: -19.995% Hamster: -5.113%	Pass
MFI Range: 400,000 - 2,200,000 MFI (Mouse, Rat, Hamster)	Mouse: 1, 595, 031 Rat: 552, 465 Hamster: 931, 873	Pass
Target Concentration: 2.3E6 +/- 2E5 beads/mL (Scepter Measurement)	2.3E6 beads/mL	Pass
Fill Volume: 5.0 mL Fill Weight Target: 4.97 g Fill Weight Range: 4.81 g - 5.13 g Conversion Factor: 0.994 g/mL (Density)	5.01 g	Pass
% Population Frequency (Pos/Neg): 50% +/- 10% of total events	Pos: 49.84% Neg: 50.14%	Pass
Negative Beads MFI: <2,000 (Mouse) <10,000 (Rat) <10,000 (Hamster)	Mouse: 743 Rat: 3, 004 Hamster: 4, 166	Pass
Autofluorescence <2,000 MFI; (single peak shown in a fluorescent channel)	238	Pass

Approved by: *Signed by:* *Camille Shah*   D62A2FF04F7F446...   12/15/2025   Senior QA Analyst

Quality Assurance (Name, Signature, Date, Title)

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