

# Flow Cytometry Panel Staining

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Procedure: Detail volume, incubation time, temperature, centrifugation speed, and gating strategy.

Safety: Follow BSL-2 practices and institutional IACUC/IRB approvals.

Purpose: This SOP describes standardized procedures to ensure data integrity and reproducibility.

QC: Include acceptance criteria, positive/negative controls, and repeat thresholds.

Documentation: Record lot numbers, deviations, and corrective actions in ELN.

Materials: List all reagents with catalog numbers, instruments (e.g., BD LSRFortessa), and consumables.

Customer: Moderna Pricing: - PBMC isolation (per sample) — qty 11 × \$2,486.69 = \$27,353.59 - ELISA cytokine panel — qty 1 × \$1,480.39 = \$1,480.39 - Flow cytometry panel (16-color) — qty 11 × \$1,172.51 = \$12,897.61 - Animal housing (per cage) — qty 6 × \$682.66 = \$4,095.96 - Scientist analysis (per hour) — qty 5 × \$2,160.75 = \$10,803.75 - QA review — qty 12 × \$1,856.47 = \$22,277.64 Subtotal: \$78,908.94