

Cryopreservation of PBMCs

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

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

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

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

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

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

Customer: Moderna Pricing: - qPCR reagents — qty 12 × \$532.87 = \$6,394.44 - Flow cytometry panel (16-color) — qty 6 × \$2,420.30 = \$14,521.80 - QA review — qty 8 × \$1,552.82 = \$12,422.56 - ELISA cytokine panel — qty 8 × \$1,320.77 = \$10,566.16 - Scientist analysis (per hour) — qty 2 × \$1,568.87 = \$3,137.74 Subtotal: \$47,042.70