

qPCR Expression Analysis

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

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

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

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

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

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