# RNA Extraction and QC

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

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

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

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

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

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

Customer: Pfizer  
Pricing:  
- QA review — qty 5 × $286.33 = $1,431.65  
- qPCR reagents — qty 8 × $691.60 = $5,532.80  
- Western blot reagents — qty 3 × $848.63 = $2,545.89  
- ELISA cytokine panel — qty 2 × $662.92 = $1,325.84  
- Animal housing (per cage) — qty 3 × $780.29 = $2,340.87  
Subtotal: $13,177.05