

Equipment ROI / Payback Analyzer

Diagnostics, Labs & Imaging

Document type: Financial model / analysis · Generated 14 Oct 2026

This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Analyses the ROI and payback of buying a diagnostic machine or analyser, from its cost, running cost, expected volume and price. Use it to justify or reject capex. For rent-vs-buy specifically use the Reagent-Rental vs Purchase Analyzer.

Purpose of this tool & output

Should you buy this analyser or machine

How the output is used

Use it to decide whether to buy this analyser or machine — the volume, revenue and payback that justify the equipment.

Who should vet it

Your CA or a finance-savvy advisor, to confirm the volume and payback assumptions before you commit to the purchase.

Important cautions

ROI depends entirely on achieving the assumed volume — an under-utilised analyser is a stranded cost, and technology can date. Compare against reagent-rental and against continued outsourcing. Validate volume and price assumptions before committing capital.

Companion documents

- Diagnostic Centre P&L Modeller
- Break-even Calculator
- Cost-per-Test Calculator
- Working Capital Planner
- Cash-flow Projection
- Funding / Loan Proposal

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.