Nautilus Biotechnology, Inc. (NAUT)

Investment Thesis

Nautilus Biotechnology is positioned to unlock a multi-billion-dollar proteomics frontier with a proprietary single-molecule platform, with meaningful near-term milestones that could validate its value well ahead of full commercialization.

Company Overview

Nautilus Biotechnology develops a next-generation proteome-analysis platform designed to quantify all proteins (and proteoforms) in human cells, aiming to enable breakthroughs in drug development, diagnostics and biology. The company's mission is to transform proteomics by giving broad access to the proteome for research and commercial applications.

The Problem & The Solution

The Problem

Current proteomics technologies (e.g., mass spectrometry) are limited in throughput, sensitivity and comprehensiveness; drug R&D is inefficient (90 %+ failure rates) and missing deeper proteome insights.

The Solution

Nautilus' platform builds on single-molecule imaging, microfluidics and advanced software to deliver an endto-end system (instrument + consumables + software) that aims to comprehensively map the proteome and proteoforms opening new possibilities for research, diagnostics and drug development.

Market Opportunity

The proteomics market is projected to expand significantly — estimates suggest it could reach ~US\$57 billion by 2030. Nautilus targets both academic/industry research markets (instrument + consumables) as well as pharma/diagnostics applications where deeper proteome data could improve outcomes. Given the high spend in drug development and unmet need for better biomarker/proteomic insight, the growth potential is substantial.

Business Model

Nautilus will generate revenue primarily through:

- Sale of the proteome-analysis instrument (a high-value capital sale)
- Recurring revenue via consumables, reagents, flow cells and software tied to the instrument
- Partnerships/collaborations with pharma, academic labs and other institutions for early-access programs and validation work. This dual model (capital equipment + recurring consumables) positions the company for scalable revenue once commercial launch is achieved.

Competitive Positioning

What sets Nautilus apart: A unique "single-molecule" imaging and fluidics architecture

- designed from the ground up for proteome scale, rather than incremental improvements on existing mass spectrometry platforms. A full stack offering (instrument + reagents + software) that simplifies
- customer workflow and reduces dependency on multiple vendors.
- Early-stage collaborations with high-profile institutions (e.g., Allen Institute for Brain Science) that validate the platform in real-world, cutting-edge research.

Significant insider ownership (~41 %) and cost discipline in recent

quarters showing a lean execution mentality. These factors form a nascent "moat" in a highly technical field – if they execute, they may leap ahead of more incremental incumbents. Financial Snapshot & Traction

Operating performance (Q3 2025): Operating expenses of US\$15.5 million, down ~19 % year-over-year (versus US\$19.1 m in Q3 2024).

- Net loss: US\$13.6 million for Q3 2025, improved from US\$16.4 million in the year-earlier period.
- Cash position / Runway: Cash, cash equivalents and investments of ~US\$168.5 million as of September 30, 2025.
- Progress on processing Tau proteoform samples in collaboration for validation. Development of a broad-scale assay format aimed for a late-2026

to advance.

Key KPI traction:

- commercial launch. Expense discipline showing lowering burn in advance of full
- commercialization. Overall, while revenue is not yet material (device not yet commercially

launched), Nautilus is showing meaningful operational progress and funding

Investment Highlights

The proteomics market is sizeable and under-

penetrated; Nautilus is aiming for a disruptive market leap. Launch of early access program for Tau proteoform assay in H1 2026; broad-scale assay Near-term catalysts and instrument launch expected by late 2026. ~US\$168 m in cash supports execution through Strong cash runway with cost discipline commercialization phases; operating expenses are trending downward. Partnering with leading research institutions Strategic collaborations validating the bolsters credibility and creates potential science adoption pathways. For a development-stage company the Lean execution in microcap realm improving loss profile, focused milestones and insider alignment are positive signs.

The Vision Looking ahead, Nautilus aims to become a foundational technology company in proteomics—much like how Illumina, Inc. transformed genomics. By delivering comprehensive proteome insights, Nautilus

> to unlock biology previously hidden. Successful execution of the early access program (HI 2026) followed by instrument launch (late 2026) could mark the transition from "development-stage" to commercialstage, unlocking multibillion-dollar recurring revenue potential. For microcap investors willing to embrace risk, this represents a compelling asymmetric opportunity.

> could enable pharma companies to accelerate drug discovery, diagnostic labs to identify disease signatures earlier, and researchers