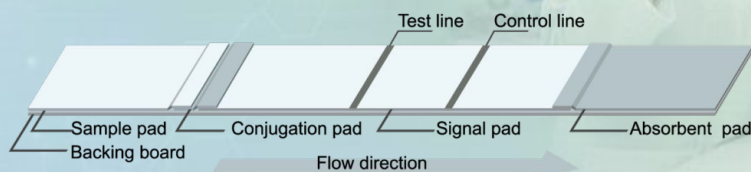


Attogene

Custom Lateral Flow Assay Development & Manufacturing

Rapid, Reliable, End-to-End Lateral Flow Solutions

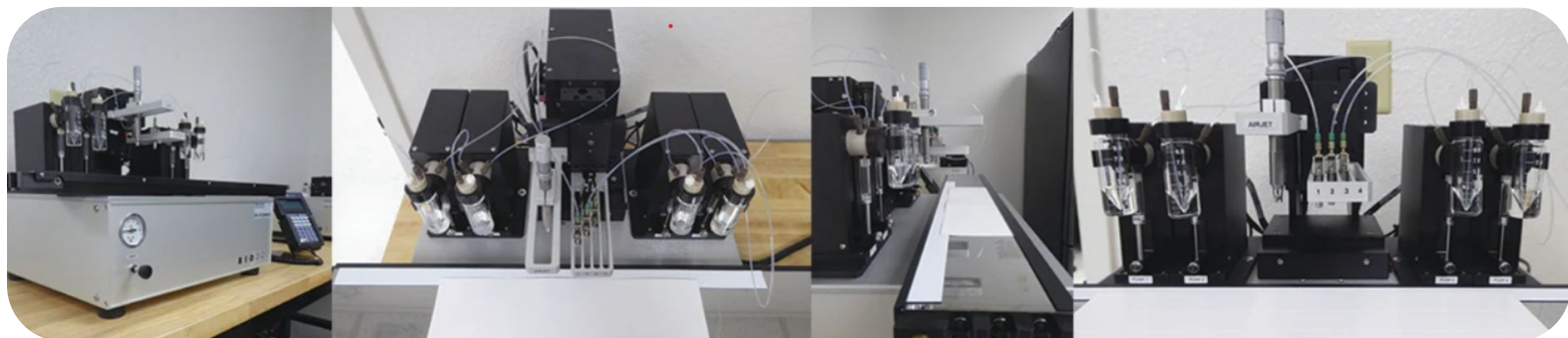


Service Highlights

Attogene provides comprehensive lateral flow development services, including feasibility testing, antibody screening and optimal pair identification, and the creation of gold nanoparticle or fluorescent conjugates. Our team specializes in nitrocellulose membrane selection, strip architecture design, and precise optimization of test and control line deposition. We also support cartridge and housing integration, sample pad configuration, and full stability, shelf-life, and environmental testing. From early discovery through small- to mid-scale manufacturing, Attogene delivers end-to-end expertise to accelerate your assay's path to market.

Why Choose Attogene?

- 20+ years of assay development expertise
- Proven success across clinical, veterinary, food safety, environmental & biodefense markets
- Rapid concept-to-prototype development
- Novel detection chemistries and next-gen formats
- In-house conjugation & membrane optimization
- Quantitative analysis capability
- Robust validation & verification support
- US-based development with fast turnaround



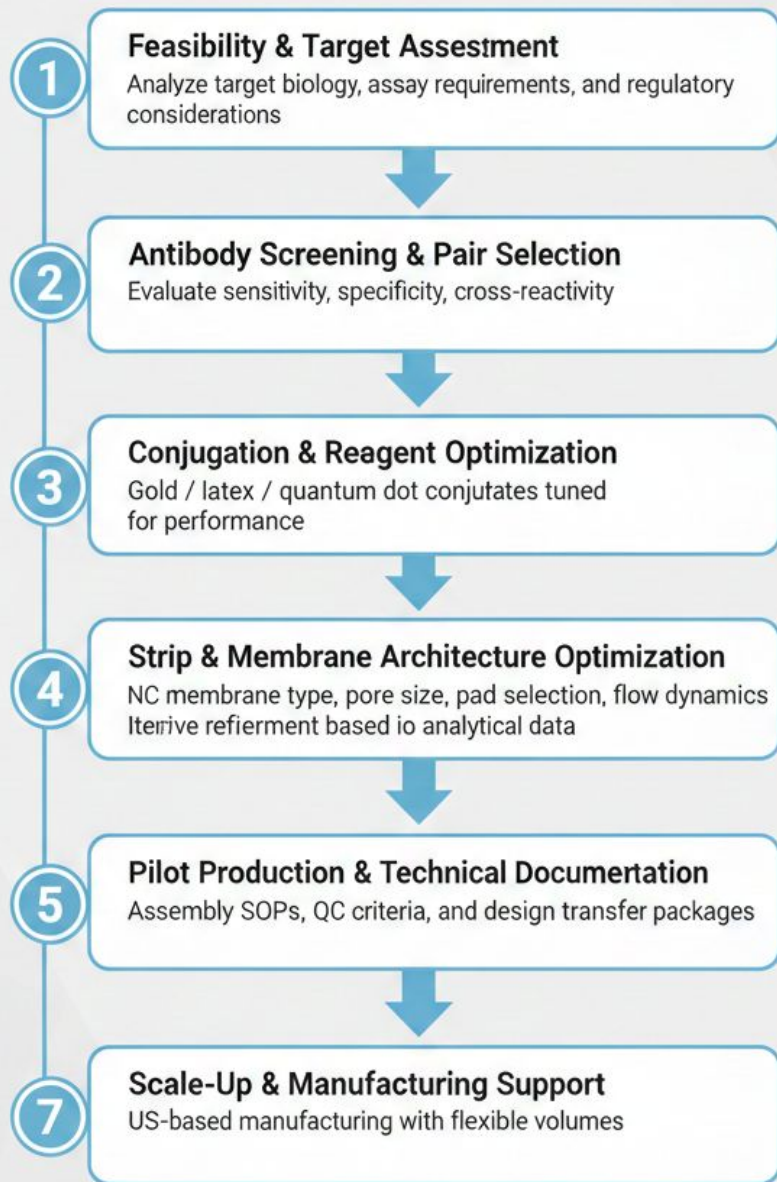
Our Expertise

Attogene delivers end-to-end lateral flow development from feasibility through manufacturing. With deep experience in antibody pairing, protein conjugation, and membrane optimization, we design high-performance lateral flow devices for challenging targets including pathogens, toxins, biomarkers, and environmental contaminants.

Technical Capabilities & Development Process

Attogene offers assay-development capabilities, including antibody pairing and specificity profiling, as well as protein conjugation using gold nanoparticles, latex beads, quantum dots, and custom fluorophores. Our team optimizes sensitivity, dynamic range, and assay format, whether competitive, sandwich, multiplex, or reader-based, while developing custom buffers and sample-prep workflows tailored to your sample type. We support high-sensitivity fluorescent and next-generation detection systems, provide complete QC method development with transfer-ready documentation, and build scale-up and manufacturing pathways to ensure a smooth transition from prototype to production.

End-to-End Development Process



Applications

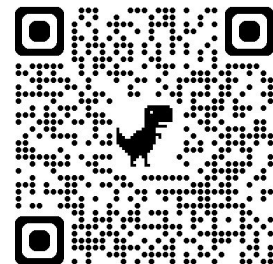
- Infectious disease
- Environmental sensing (water, food, soil)
- Veterinary diagnostics
- Toxicology
- Biodefense
- Biomarker detection

Contact Us to Start Your Project

Attogene - Austin, Texas

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Whether you're developing a next-generation diagnostic, validating an early feasibility concept, or preparing for scaled manufacturing, Attogene provides the scientific depth, engineering experience, and production capacity needed to bring your lateral flow product to market.