

CUSTOM MOLECULAR DIAGNOSTICS
MADE **SIMPLE, ACCESSIBLE,**
AND AFFORDABLE

PRODUCT DESCRIPTION

Veriflow[®] represents a new, ultra sensitive and user-friendly class of diagnostics: Molecular Flow-Based Detection. The patented vertical flow technology allows for the sensitivity of real-time PCR tests, but with the ease of use associated with lateral flow assays. The result is an effective and rapid system that minimizes sample preparation, speeds time to results, and provides easy to interpret data for the end user. The Veriflow[®] system eliminates the need for gel electrophoresis or fluorophore based detection of target amplification, and does not require complex data analysis.

CUSTOM SOLUTIONS

Assay development can be tedious, labor intensive, and costly. Invisible Sentinel Inc. offers a range of high-quality, contract services to help our clients develop customized assays on our proprietary Veriflow[®] platform. Our cost effective, accelerated, and streamlined development program is designed to support unique and specialized requirements that will provide our clients with a rapid diagnostic platform that is easily deployable and requires only minimal training. The custom solutions program consists of a **4-step procedure:**

1 CONSULTATION
An Invisible Assay Development Specialist will work closely with you to assess your technical needs and assay performance criteria.

2 PROPOSAL
A tailored proposal encompassing the project design, development cost, end point performance parameters, and delivery specifications will be presented for your approval.

3 ASSAY DEVELOPMENT
We provide consistent feedback during the course of our in-depth 6-part assay development program to ensure the client's technical specifications are met.

4 KIT DELIVERY
Upon validation, Invisible Sentinel will transfer the assay to manufacturing and supply kits to the client as agreed upon.

THE VERIFLOW[®] ADVANTAGE

MOLECULAR FLOW-BASED TECHNOLOGY

- Patented and proprietary Veriflow[®] technology offers robust and reliable assays
- No capital equipment costs or service contracts
- Minimal training required

COST EFFICIENT

- Competitively priced solutions
- Reduced overhead costs allow for increased testing frequency and improved quality

STREAMLINED DEVELOPMENT AND TECH TRANSFER

- Accelerated development timelines
- Efficient transfer from R&D to manufacturing

COMPREHENSIVE DATA AND REPORTS

- Complete assay development & tech transfer reports provided to client
- Collaborative validation process

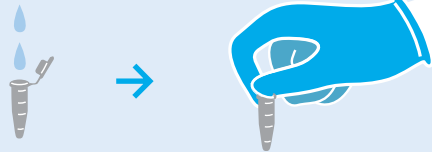
KIT MANUFACTURING AND DELIVERY

- Fully customized kits delivered to client specifications
- Volume based discounts available

VERIFLOW[®] STANDARD TEST PROTOCOL

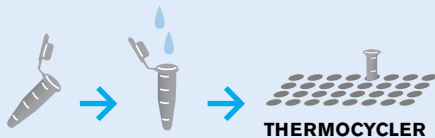
SAMPLING Invisible Sentinel's development team will integrate Veriflow[®] Technology with your existing sampling methodology to improve workflow.

START MINIMAL SAMPLE PREP

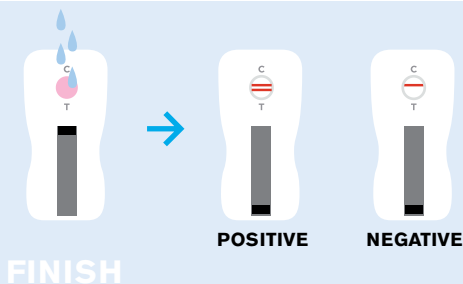


AMPLIFY Transfer 5 µl of sample into provided reagent tube. Place tube into thermocycler and run program.

75 MINUTE AMPLIFICATION



DETECT Remove reagent tube from thermocycler. Dispense reagent tube contents onto test cassette window. Wait 3 minutes and retract test cassette to reveal test results. One line indicates a negative result, two lines indicate a positive result.



ADVANTAGES OF THE FIRST VERTICAL FLOW-BASED MOLECULAR TECHNOLOGY

Advantages Over Lateral Flow Technology

- Yields results in 3 minutes post sample addition
- Eliminates back-flow reducing false positive rate
- Provides higher sensitivity resulting in lower limit of detection
- Detects molecular signatures allowing for higher specificity

Advantages Over RT-PCR Technology

- No ambiguous results – one line negative, two lines positive
- No DNA purification or cumbersome sampling steps
- Minimal Training
- Easy deployment

ORDERING INFO

For more information, please visit us online at www.invisiblesentinel.com or call our custom services team at 215-966-6118.



ITEM #	DESCRIPTION	SIZE
IS10##	Veriflow[®] Complete Test System Includes: Veriflow [®] Mastermix Reagents, Veriflow [®] Cassettes, 1.5 ml Sample Tubes, Media	1 Kit
ISTC001	Invisible Sentinel Thermocycler The pre-programmed IS Thermocycler provides rapid cycling times with a small footprint.	1 unit
IS10##	Veriflow[®] Assays Includes: Veriflow [®] Mastermix Reagents, Veriflow [®] Cassettes	24 tests