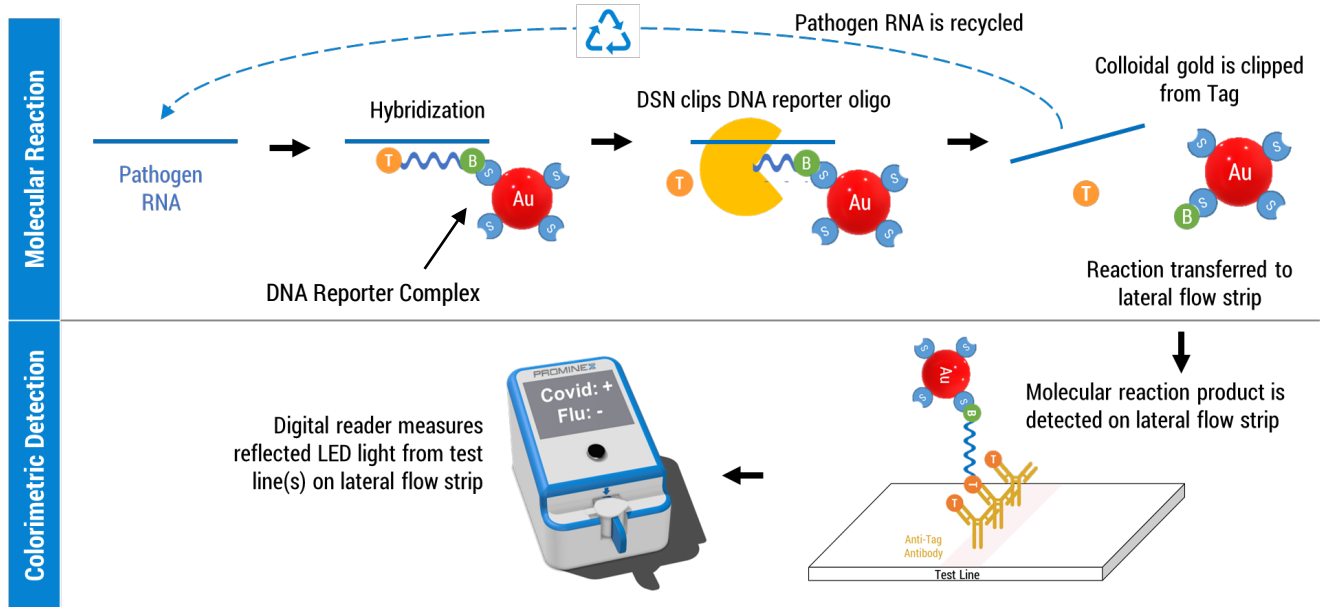


# Prominex's dCliP Molecular Dx Technology

Prominex's proprietary dCliP molecular technology uses a unique duplex specific nuclease (DSN), that selectively cleaves a synthetic DNA Reporter Complex when it hybridizes to a complementary RNA pathogen specific sequence in a clinical sample. When the dCliP Reporter Complex is clipped by the DSN enzyme, a colloidal gold moiety is released. A single pathogen RNA can trigger DSN clippage of thousands of dCliP Reporters in less than 3 minutes. The release of the colloidal gold moiety is monitored on a lateral flow strip using surface mediated reflectance photometry on a low-cost digital colorimetric reader. The DSN reaction takes place in non-processed clinical sample with assay amplification and detection steps in 5 minutes.



## Molecular testing reinvented



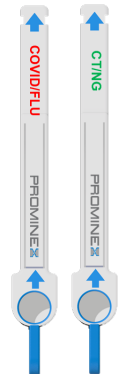
*Prominex's proprietary dCliP chemistry eliminates the limitations of current molecular methods*

- Sensitivity** – 2.5 CFU of *N. gonorrhoeae* in vaginal swabs
- Polymerase-free** – Duplex specific nuclease chemistry
- No thermal cycling** – Less complexity
- No sample preparation** – Direct from crude sample
- Room temperature stable** – No cold storage
- Universal design** – Common components across assays
- Internal control** – Corrects for sample variability and ensures test processing efficacy
- No amplicon** – Reduce risk of environmental contamination
- Patented** – Protected by a broad portfolio of IP

## Assay pipeline

*Prominex's initial assay pipeline is focused on Respiratory and STIs*

- **SARS-CoV-2 | Flu**
  - Performance in clinical samples comparable to FDA authorized assays
- **CT | NG**
  - LoD in spiked clinicals samples equivalent to FDA cleared assays



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