Xmatrx MINI

eFISHiency Workstation

Presented for:

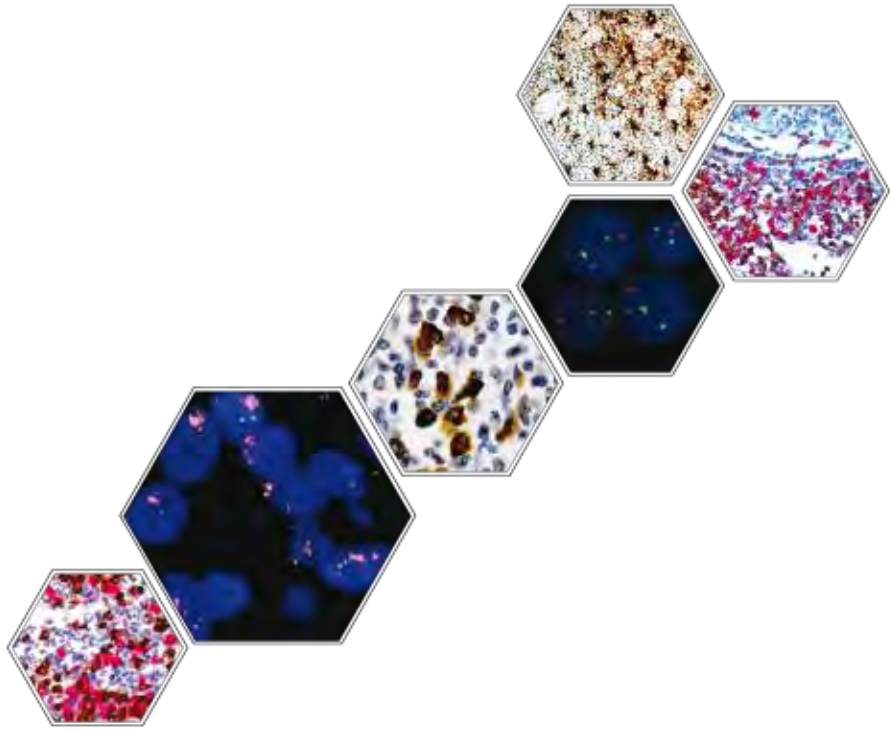
Presented by:

Date:

BioGenex

Xmatrx® MINI

eFISHiency Workstation



- All-in-One
- FISH, *in situ* PCR, ISH
- Affordable System
- Ten Independent Thermal Cyclers
- Apply Micro-reagents for Cost-Saving
- SMS Prompt

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Structural Components

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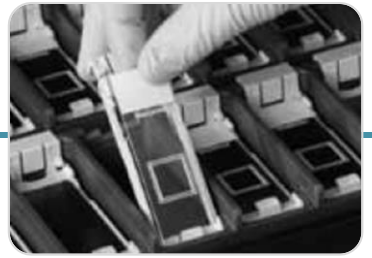
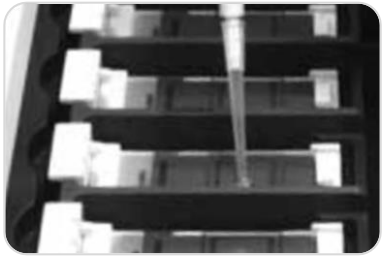
Key Features

Compact design with
10 slide capacity

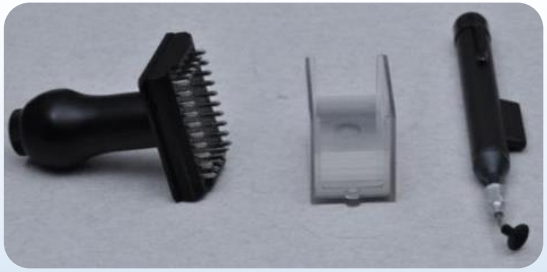


Load Slides

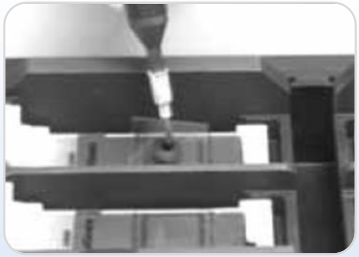
Apply hydrophobic
barrier and sealer



Micro-reagent Dispensing



Accessories*



Place coverslip to make
micro-chamber

View Slides

*Accessories accompanied with instrument

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Key Features & Benefits

- Facility of on-board washing with effective waste drainage system
- 10 independent PCR protocols can run simultaneously
- Audio and Visual alerts
- On screen color coded error alerts
- GUI with real time display of heating and cooling cycle information
- User friendly software with advantage of add/delete cycles, store protocols for future use and perform up to 45 PCR cycles

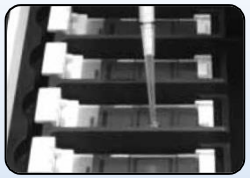
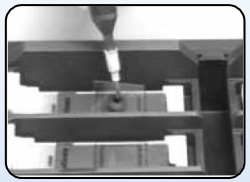
Key Features & Benefits

- Highly sensitive
  - Even a single copy of the Gene can be amplified
- Analysis of tissue morphology along with signals which is lacking in conventional PCR
- Rapid heating and cooling along with flexibility of operation
  - Any slide based assay including FISH, in situ PCR, ISH can be easily optimized
- Multiple applications
  - In Research areas – Mutation detection, miRNA detection, gene expression studies
  - In clinical diagnosis – Bacteria, viruses, parasites and diagnosis of hereditary diseases
  - In oncology – Detection of specific tumor markers

Process Flow

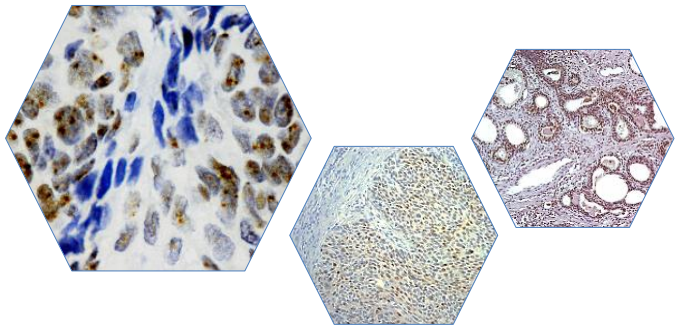
Load Slides	Apply hydrophobic barrier and sealer (Oil Seal)	Apply Micro-reagent	Place Cover slip to make a Micro-chamber	Select Protocol and initiate Thermal Cycling	View slides
Step 1	Step 2	Step 3	Step 4	Step 5	Step 6



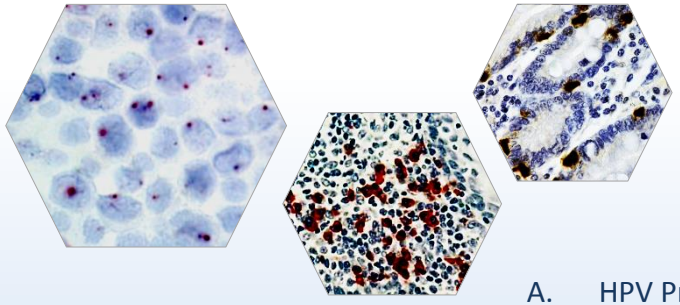
Applications

In Situ PCR



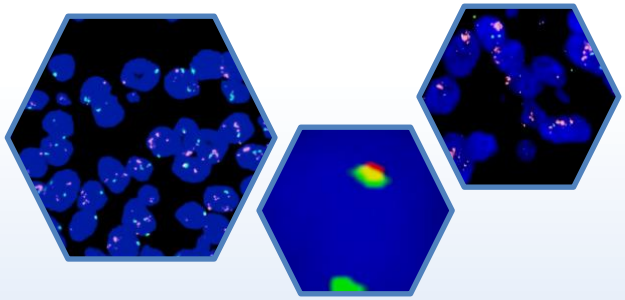
A. HPV 16 in situ PCR Ca. Cervix
B. HPV 16 &18 in situ PCR Ca. Cervix
C. GAPDH in situ PCR

ISH



A. HPV Probe
B. Kappa Probe
C. Cyclin D1 Probe

FISH



A. FISH EGFR
B. FISH Break apart ALK
C. FISH HER2

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Molecular Pathology Workflow Solution

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