Xmatrx NANO

eFISHiency System for FISH Automation

Presented for:

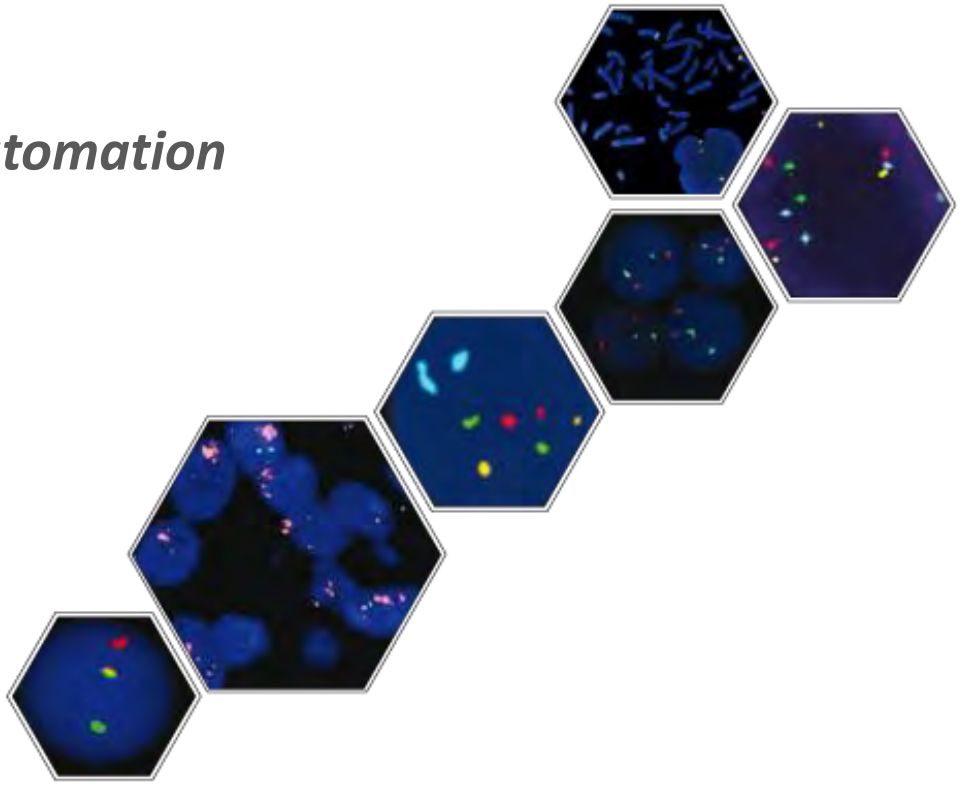
Presented by:

Date:

BioGenex

Xmatrx® NANO

eFISHiency System for FISH Automation



- All-in-One
- FISH, *in situ* PCR, ISH
- Apply Micro-reagents for Cost-Saving
- SMS Prompt

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Structural Components

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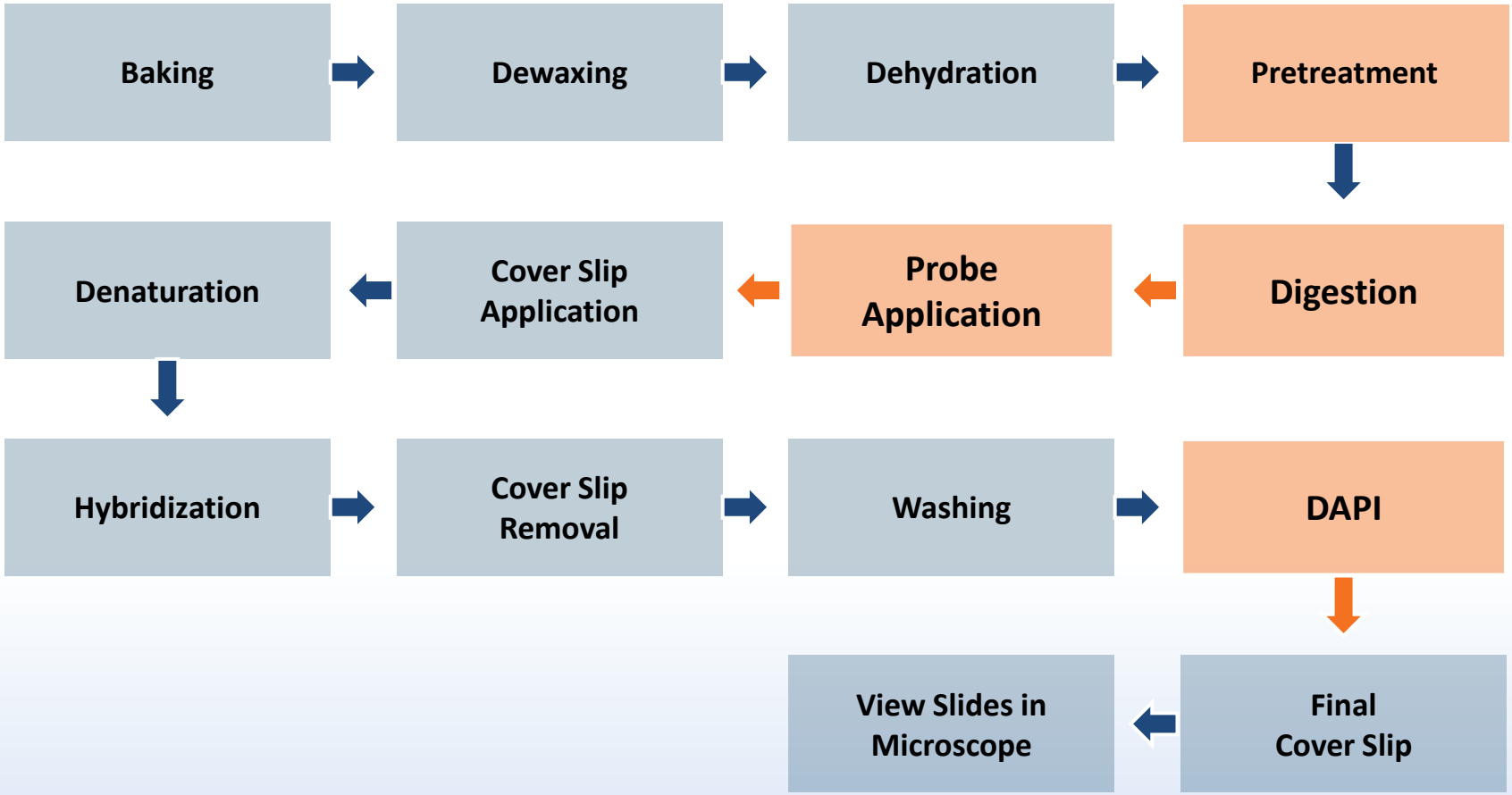
Detailed Protocol – Xmatrx NANO - FISH



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Manual Steps

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Key Features & Benefits

33 Steps Reduced to 4

Key Features & Benefits

- Add Micro-reagents manually for cost saving
- Intelligent SMS information for alerts
- Economical and Affordable
- Touch Panel PC as user interface*
- Flexible open system software - create, edit and save protocols for future use
- Run 10 different protocols at the same time

*To be introduced soon

Key Features & Benefits

- Automated FISH processing system
    - Capable of performing in situ PCR and ISH
- 10 slide processing system
- Most elegant and compact aesthetics
- Automated sealing and cover slipping to create Micro-chamber

Features and Benefits

- High performance TEC modules precisely control and regulate temperature of each slide individually in a single run
- 6 buffer carboys of 1L each arranged within the instrument and 1 waste carboy of 4L outside
- Buffer liquid can be refilled without removing the carboys from the instrument
- Customized reporting system - Detailed summary report for each slide including run log, assay protocols and more

Key Advantages

- **NANO simplifies complex FISH Process**
  - Reduces conventional 33 steps to automated 6 steps
  - Saves time, improves efficiency and productivity
- **Affordable and Economical**
  - Low cost of ownership
  - Saves on expensive FISH reagents
  - Manual application of FISH probes to reduce cost
- **Supports 3 types of slide pattern**
  - 25 x 25 mm, 25 x 40 mm and 18 x 18 mm

FISH Processing System: Manual vs. NANO

MANUAL PROCESSING

Complex 33 steps

6 simple steps

eFISHiency

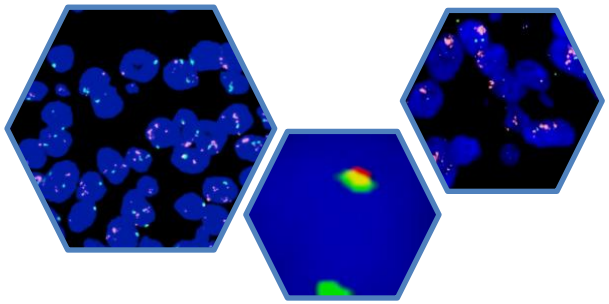
Xmatrx NANO PROCESSING

Xmatrx NANO – Technical Specifications

FEATURE	Xmatrx NANO
Number of Heater Ramp	5
Heater Ramp Up Temperature	3°/Sec
GUI	Touch sensitive
New Technologies	SMS information intelligent system
Structure	Robotics
Temperature Accuracy	±0.5° C
Protocols	Can perform 10 independent protocols
Carboys	Can be filled dynamically without interrupting run
Final cover slipping	Yes
Additional	Cover slip cartridges
Automated staining	Yes
Cover slipping	Automated
Cover slip removal	Automated
Blow slide	Automated
Wash	Automated
Oil sealing	Automated
Slide Temperature range	25 - 105 °C
Walk away overnight run	Yes
Micro-reagent volumes	10 µl - 80µl
Variable dispense volume	Yes

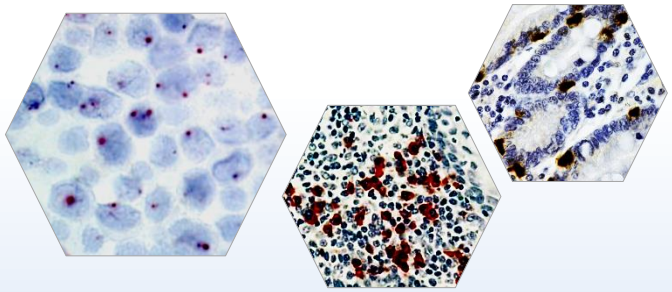
Applications

FISH



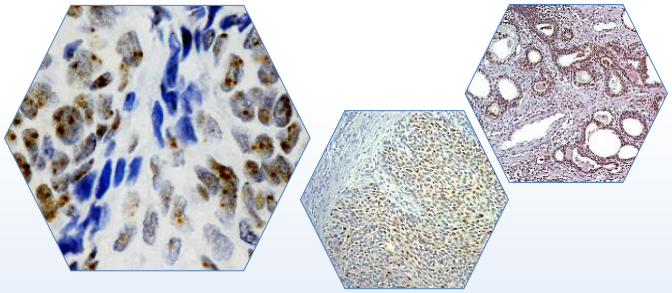
A. FISH EGFR
B. FISH Break apart ALK
C. FISH HER2

ISH



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

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

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Molecular Pathology Workflow Solution

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