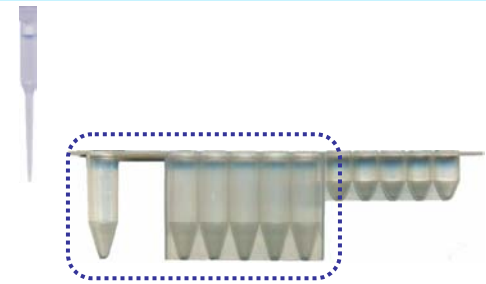
NIAGALA Bio-Station FDx

All-In-One System for Gene Diagnosis

- ▶IVD applicable
- ▶Pre-packed reagent
- ▶6-nozzle unit x 4
- ▶A fully integrated System with extraction, amplification, clean-up, hybridization, detection and analysis

NIAGALA Bio-Station FDx (Process Flow)

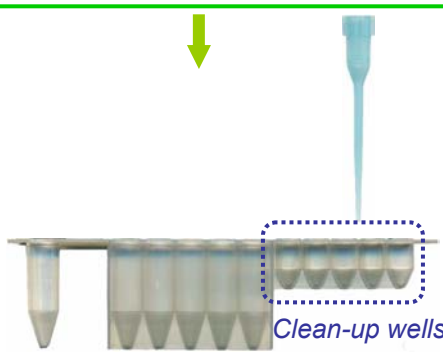
① ***Magtration® for DNA Extraction***



Extraction wells

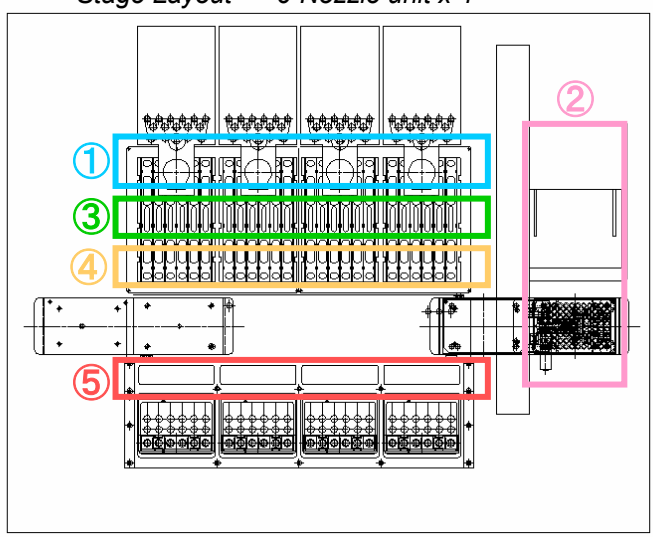
② ***Amplification by Thermal Cycler***

③ ***Magtration® for clean-up of amplicon***

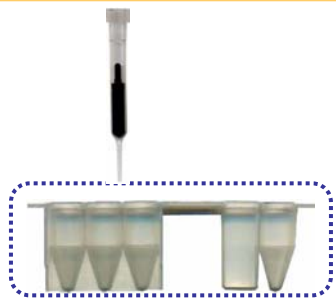


Clean-up wells

Stage Layout *6-Nozzle unit x 4*



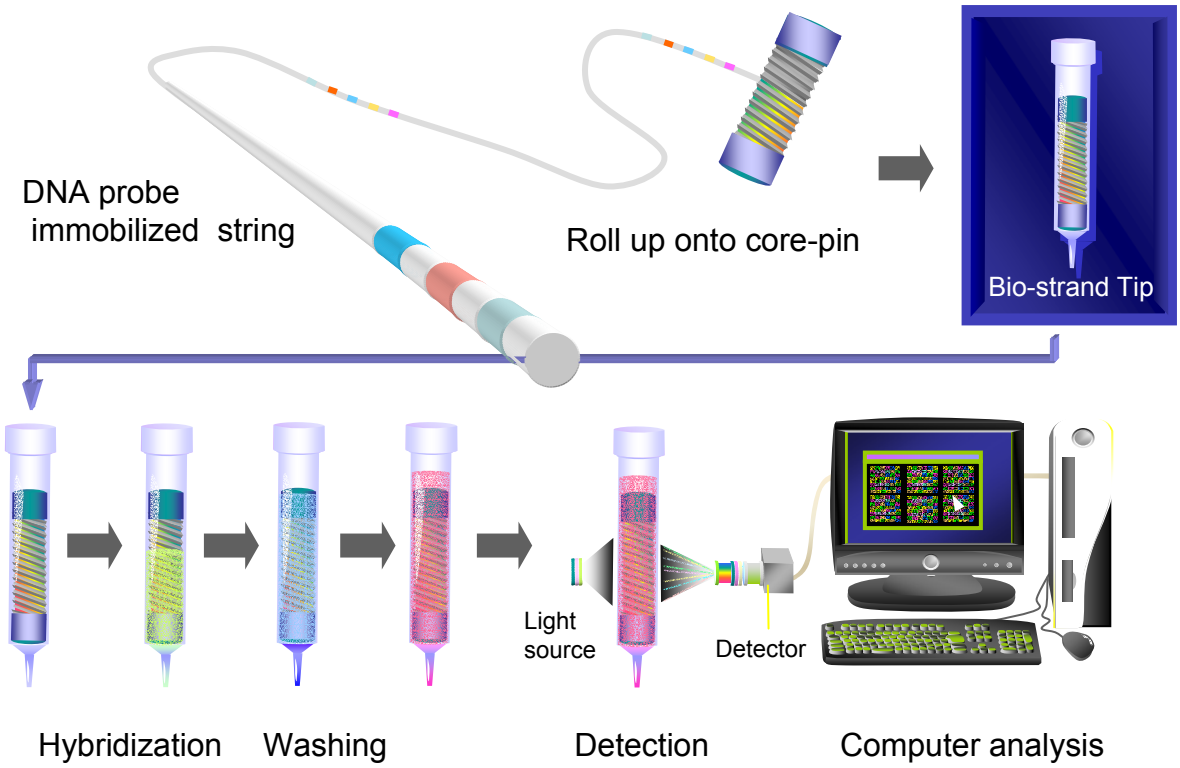
④ ***Hybridization with Bio-Strand Tip***



Hybridization wells

⑤ ***Fluorescent Detection and Analysis***

Bio-Strand Technology



Specifications

Axes move	Y-Z and Plate transfer unit
Throughput	1-24 Samples
Sample Volume	100-200ul
Handling Volume	5-1000ul
Tips per test	3
Sample tube	Micro plate
Barcode control	Sample/ pre-packed reagent/ BS tip
Monitoring	CCD camera / Pressure sensor
Heat block	40-80 deg. C (3 wells)
Power	AC100V 2045VA
Dimension	1040W x 860D x 1150H mm
Weight	300Kg

*NIAGALA is a synthesis naming with Niagara and gala, pronounces as [naiægləˌ] imaging Niagara falls.

*Bio-Strand is under development with a collaboration between Precision System Science Co., Ltd. And Bio Strand, Inc.
*The Magtration is the trade name of PSS and its process is covered by patent owned by Precision System Science.