



Multiplex Solution for Better Health

We are committed to the delivery of safe, high quality products and services to yield improved healthcare options for our customers and their patients.

π Code™ Platform

Multiplexing System for Precise Results

The Beginning of Next-Generation Molecular Analysis Era

Precise results can only be generated by credible platform

The Precision Image Code (π Code™) Platform is designed to suit every molecular analysis lab's needs. It can be simply integrated into your working molecular analysis protocols, replacing the analyzing step with this more sensitive platform. You can adapt our automated platform, and select multiple targets to be analyzed and throughput required for your assays. Multiplexing assays deliver ample concise information without extra time or effort required, allowing you to make intelligent decision.



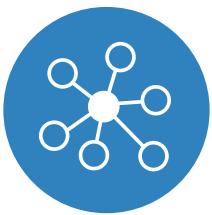
Flexible Platform

The π Code™ platform can be coupled with probes or antibodies for nucleic acid detection or immunoassays, respectively.



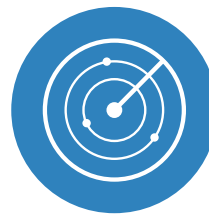
Supreme Sensitivity

Selectively amplifying specific targets along with utilizing high-tech scanning system to detect and process positive signals, so the detection limit can be as low as 0.05%.



Extensive Multiplexing Range

Up to 100 specific targets can be simultaneously amplified in a single PCR run, allowing you to analyze multiple targets using minimal sample input.



Broad Target Detection

Various nucleic acid targets can be detected including SNP, translocations, insertions, deletions, and copy number variations.



Streamline Workflow

A fully automated process with minimal hands-on time is designed to minimize human errors and contamination risks.



Maximum Productivity

Up to 384 samples can be analyzed in each run, and multiple runs can be processed in one day.



No Bioinformatics Analysis Required

The system can automatically scan and analyze positive signals, and deliver resulting reports.

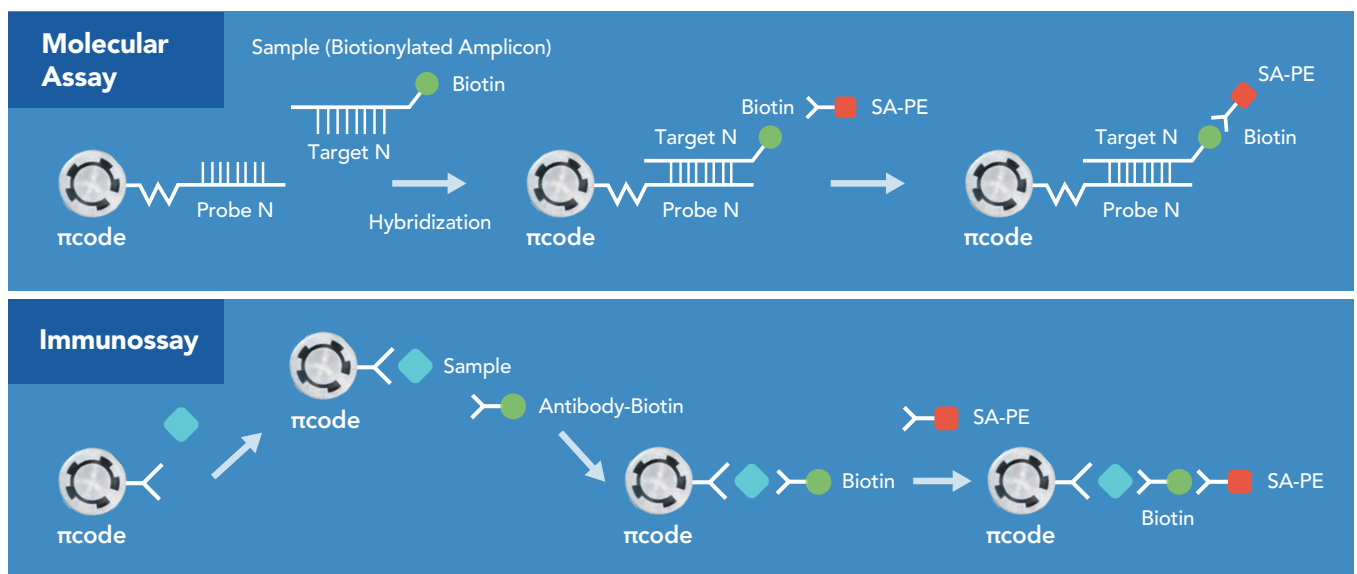


Cost-effective Analysis

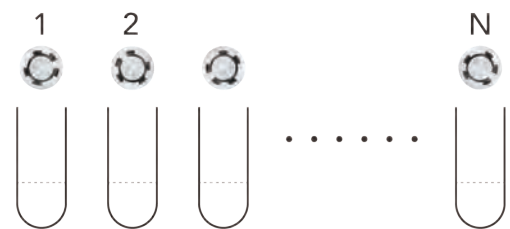
One reaction for analyzing multiple targets allows the most economical cost per sample.

πCode™ System Overview

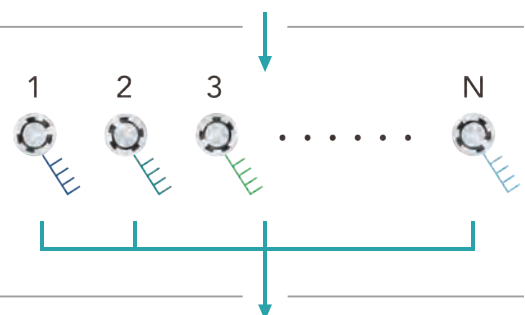
πCode™ MicroDisc is an innovative molecular analysis technology combining the advance in nanotechnology and semiconductor technology. πCode™ MicroDiscs are made of silicon wafers and have an extremely tiny size of 40 μm in diameter. Each πCode™ MicroDisc has an assigned distinct circular image pattern imprinted on its surface, and a specific capture agent, which can be either nucleic acid probe or antibody, conjugated to its surface. They are manufactured to generate more than 85,000 distinct circular image patterns for multiplexing applications. πCode™ MicroDiscs tagged with different capture agents are pooled, enabling specific detection of multiple analytes in one-well reaction.



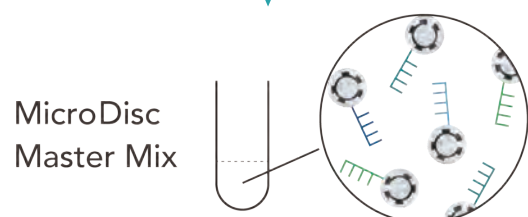
Thousands of unique patterns are labelled on πCode™



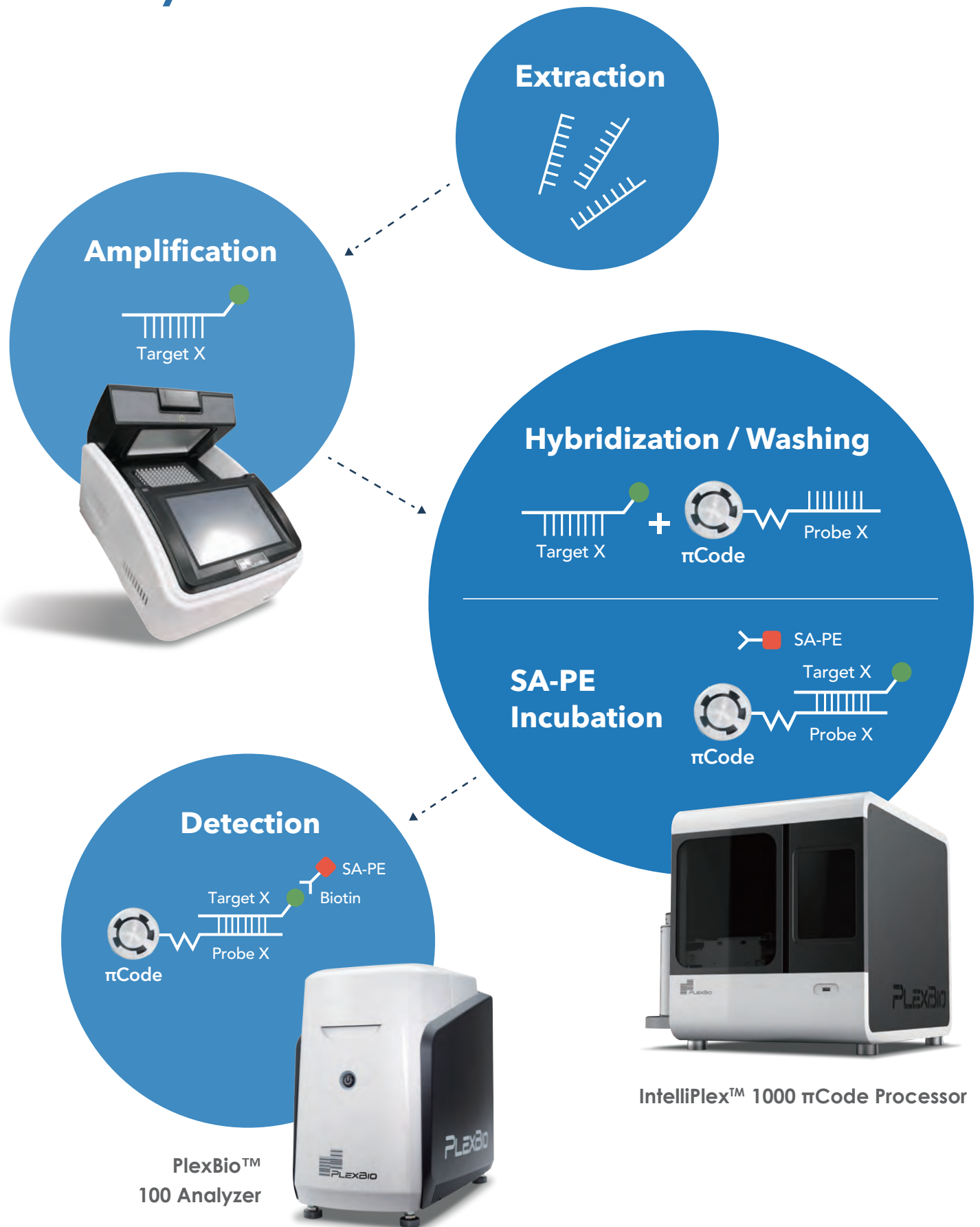
Probe coupling



Multiplexing



High-throughput Automated Assay Workflow

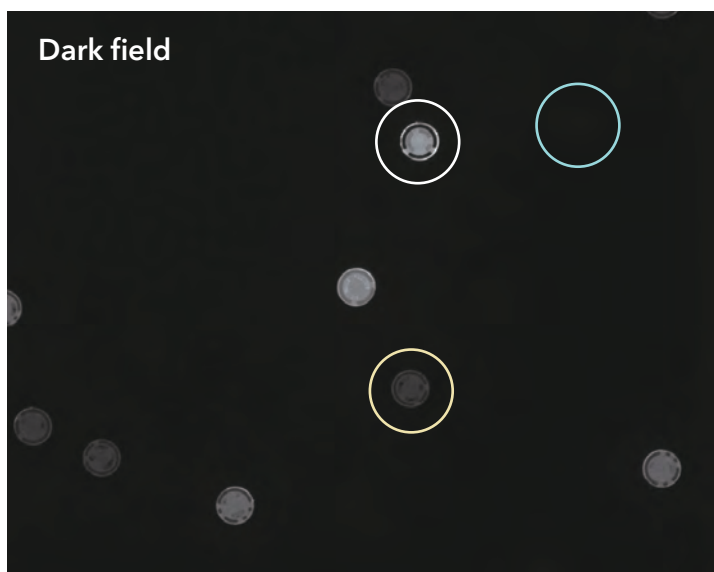
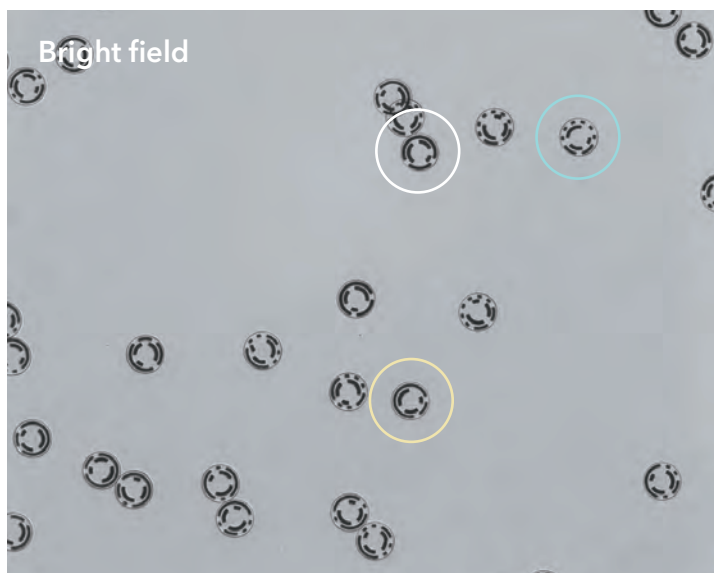
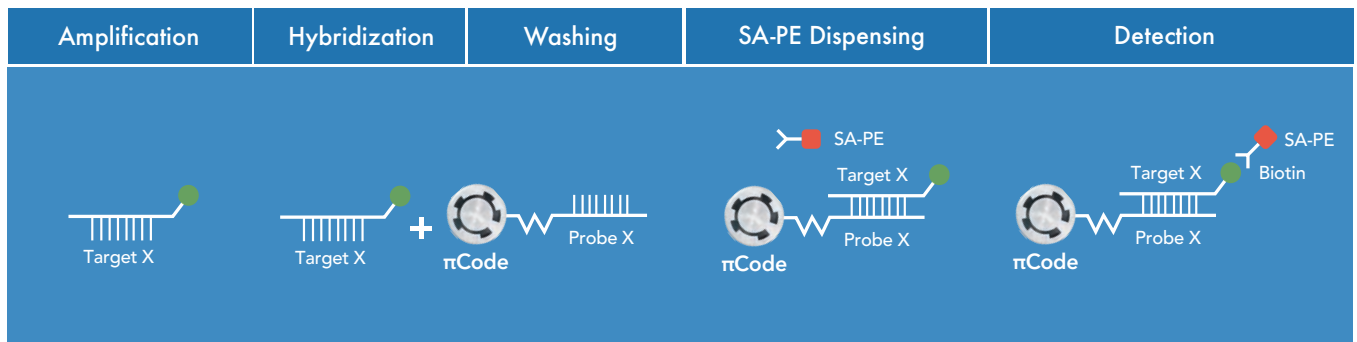


IntelliPlex™ 1000 πCode Processor

PlexBio™
100 Analyzer

Automated Result Analysis

Result analysis is always a critical step determining the outcomes of every single assays you run. Some assays, for example NGS, can take up to days to analyze results, which would be unfavorable in some circumstance. With π Code™ assay, any successful hybridization of probes and their specific targets would emit fluorescence, which is detected and analyzed by fully automated PlexBio™ 100 Analyzer.



The dark field images, which are used to detect fluorescence signals, are colocalized with the bright field images in order to identify the unique circular patterns imprinted on the π Code™ MicroDiscs with positive signals. The system automatically processes result interpretation and deliver result reports in 30 minutes.



PlexBio™ 100 Analyzer

IntelliPlex™ Product Portfolio

IntelliPlex™ assays are designed to simultaneously analyze multiple targets in one reaction, providing you with precise and ample information for intelligent decision making. Such multiplexing function is delivered by the patented π Code™ technology. This platform focuses on tests for cancer and offers a broad range of assays covering known mutations associated with cancers.

Ordering Information

Catalog No.	Product Name
82304	IntelliPlex™ SARS-COV-2/FLU KIT (96 RXNS)
82303	IntelliPlex™ SARS-COV-2 DETECTION KIT (96 RXNS)
82030	IntelliPlex™ Lung Cancer Panel - cfDNA (24 RXNS)
82031	IntelliPlex™ Lung Cancer Panel - cfRNA (24 RXNS)
82004	IntelliPlex™ BRAF MUTATION KIT (24 RXNS)
82006	IntelliPlex™ EGFR MUTATION KIT (24 RXNS)
82020	IntelliPlex™ NRAS MUTATION KIT (24 RXNS)
82021	IntelliPlex™ PIK3CA MUTATION KIT (24 RXNS)
82022	IntelliPlex™ KRAS MUTATION PLUS KIT (24 RXNS)
82023	IntelliPlex™ ALK REARRANGEMENT KIT (24 RXNS)
82024	IntelliPlex™ ROS1 REARRANGEMENT KIT (24 RXNS)
82025	IntelliPlex™ RET/NTRK1 REARRANGEMENT KIT (24 RXNS)
83000	IntelliPlex™ FOOD BACTERIA KIT FOR DAIRY (24 RXNS)





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Statement

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