

Precision Image π Code™ for Multiplexing

π CODE™ MICRODISC PRE-ACTIVATED

PlexBio's Precision Image Code (π Code™) Microdiscs are circular magnetic discs, capable of generating over 16,000 distinct image patterns for multiplexing applications.

Each π Code™ MicroDisc has a distinct image pattern and can be coupled to a unique probe, allowing the capture and detection of multiple targets in a single well.



APPLICATIONS

MOLECULAR
ASSAY &
IMMUNOASSAY

Companion Diagnostics

Food Safety

Cancer Management

Infectious Disease

Prenatal Diagnostics

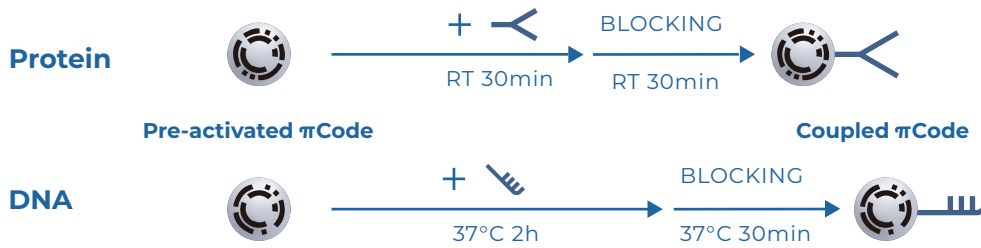
Immunology

Others

ADVANTAGES

- Proven multiplexing technology for ready-to-use applications
- Rapid detection of 100~200 targets in a single well
- Fluorescence imaging detection for both molecular and immunoassay
- Accommodates virtually any probe type: DNA, RNA, antigens, antibodies, proteins, and chemical compounds

QUICK AND EASY WORKFLOW

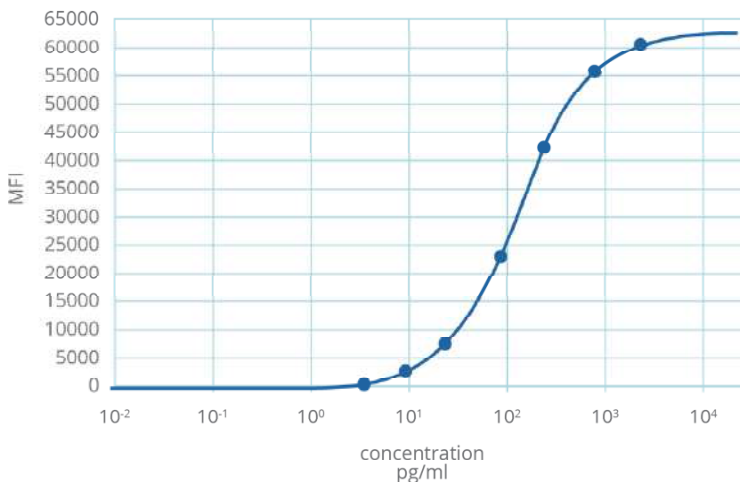


Ready for
Assay
Development

ROBUST COUPLING PROCEDURE

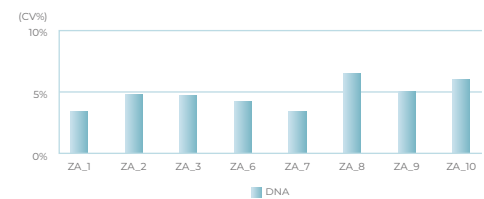
CONJUGATION VIA AMIDE FORMATION	OTHER MULTIPLEXING BEADS	πCODE™ MICRODISC
Carboxyl Activator Required	Yes	No
Stability (activated)	Low (e.g. NHS/EDC, etc)	High (1yr @ -20° Celsius)
Lot to Lot Stability Consistency	Low	High
Coupling Time	Protein: ~ 4.5 hr Nucleic acid: ~ 3.5 hr	Protein: ~ 1.5 hr Nucleic acid: ~ 3 hr

PROTEIN COUPLING

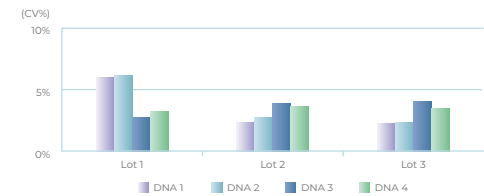


Standard curve of different protein concentrations on the πCode

DNA COUPLING



Variations (CV%) in coupling efficiencies of πCode™ MicroDiscs were measured in 8 types of discs.



Variations (CV%) in coupling efficiencies between 4 distinctly different DNA probes were determined using 3 lots of πCode™ MicroDiscs.

ORDER INFORMATION

CATEGORY	PRODUCT NAME	PACKAGE VOLUME	CAT. NO
πCODE™	πCode™ MicroDisc, Pre-activated	10,000 Discs	80131
		20,000 Discs	80132
		100,000 Discs	80130
		10-Plex Sampler Kit (20,000 Discs Each)	80133
		10-Plex Sampler Kit (10,000 Discs Each)	80134
BUFFERS	πCode™ Coupling, Buffer Set	65-plex (for 20,000 Discs)	80214
ACCESSORIES	PlexBio Magnetic Stand	1 Unit	80015/ 80015-S



Order Info : order@plexbio.com
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www.plexbio.com

