

# Personal Arrayer

## CapitalBio® PersonalArrayer™ 16

A Highly User-friendly Intelligent Multifunctional Desktop Arrayer



## Project Introduction

CapitalBio® PersonalArrayer™ 16 Personal Arrayer is a new-generation flexible, economic and efficient desktop micro-assay chip arrayer, and mainly used for micro-assay chips in life scientific research, clinical test, food safety test and other fields, such as proteomics and genomics. The instrument is featured by small volume, multiple functions, flexible configuration, easy for operation and others.

## Product Characteristics and Advantages

### • High Integration

It is the minimal dotting system that can realize the most functions currently

### • Wide Application

The volume of sample spraying is adjustable in 10  $\mu$ l ~ 50  $\mu$ l

It can be concurrently compatible with contact sample dotting or non-contact sample spraying

### • Multiple Functions

Slide \* 16 / 96-well plate \* 2 / B5 film \*1

Steel needle \* 4 / single-channel sprayer

### • Active Intelligence

Simple and durable slide / well plate adapter / automatic identification for film adapter

Automatic identification for sample dotting / spraying module

### • Sample plate refrigerating function

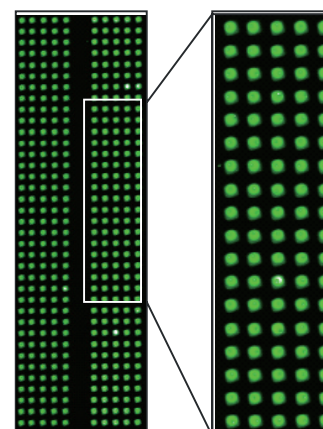
Optional

Temperature control range: 2 - 8°C

### Arrayer

PersonalArrayer™

Dot probe: SAPTM<sup>3</sup>



## Performance Indicators

| Contact Dot Probe                      | Contact Dot Probe                | Non-contact Sample Sprayer                |
|----------------------------------------|----------------------------------|-------------------------------------------|
| Sample plate spec.                     | 384-well plate *1                |                                           |
| Slide / well plate volume              | 96-well plate *2 / slide * 16    |                                           |
| Repeated positioning accuracy          | $\leq \pm 10 \mu\text{m}$        |                                           |
| Sample dotting efficiency              | 384-well plate / 2 hours         |                                           |
| Outline size (mm)                      | 490 × 450 × 390 (W×D×H)          |                                           |
| Weight                                 | 49 kg                            |                                           |
| Dot probe / sprayer number             | 1, 2 and 4 dot probes            | 1 sprayer                                 |
| Sampling volume                        | 0.25-1.25 $\mu\text{L}$          | 3 ~ 50 $\mu\text{L}$                      |
| Sample dotting volume                  | $10^{-1} \sim 10^0$ nL magnitude | $10^1 \sim 10^4$ nL magnitude, adjustable |
| Minimum sample volume                  | 5 $\mu\text{L}$ (384-well plate) | 15 $\mu\text{L}$ (384-well plate)         |
| Dot distance                           | $\geq 150 \mu\text{m}$           |                                           |
| Sample plate refrigerating temperature | 2-8°C                            |                                           |

## Application Fields

- Dot or spray the gene chip or protein chip
- It can be concurrently compatible with the traditional slide dotting or well plate dotting; the non-contact sample spraying is suitable for nucleic acid, protein, cell debris and other biological samples, and can be applied on film

## Order Information

| Product No. | Product Name                                     | Product Description                                                                                                         |
|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 110071      | CapitalBio® PersonalArrayer™ 16 Personal Arrayer | It integrates the contact and non-contact type, includes computer, and is designed with sample plate refrigerating function |
| 110081      | CapitalBio® SAP™ 3 Dot Probe                     | It is used for contact dotting                                                                                              |
| 110091      | CapitalBio® SAP™ 4 Dot Probe Holder              | 4 holes (2 × 2)                                                                                                             |

### CapitalBiotech

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