

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 μ l ~ 50 μ 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

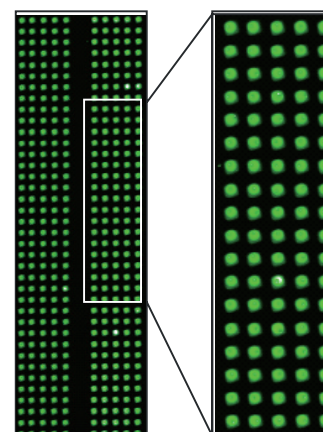
Optional

Temperature control range: 2 - 8°C

Arrayer

PersonalArrayer™

Dot probe: SAPTM³



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 μL	3 ~ 50 μL
Sample dotting volume	$10^{-1} \sim 10^0$ nL magnitude	$10^1 \sim 10^4$ nL magnitude, adjustable
Minimum sample volume	5 μL (384-well plate)	15 μL (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

Add: 88 Kechuang 6th Street, Building C, Yizhuang Biomedical Park, Beijing Economic-Technological Development Area, Beijing 101111, China
 www.capitalbiotechnology.com Tel: +86-10-69002900 E-Mail: globalsales@capitalbiotech.com