

RWD | 瑞沃德

C200FL Automated Cell Counter

RWD Life Science



More precise, more stable



Smarter and more efficient



Safer and easier to use

C200FL Automated Cell Counter



More precise, more stable

- Fixed focus for more stable imaging
- Preset parameters can be used directly without manual operation
- Intelligently cell marks for precise cell recognition
- Low autofluorescence and high-transmit filter enable clear imaging



Smarter and more efficient

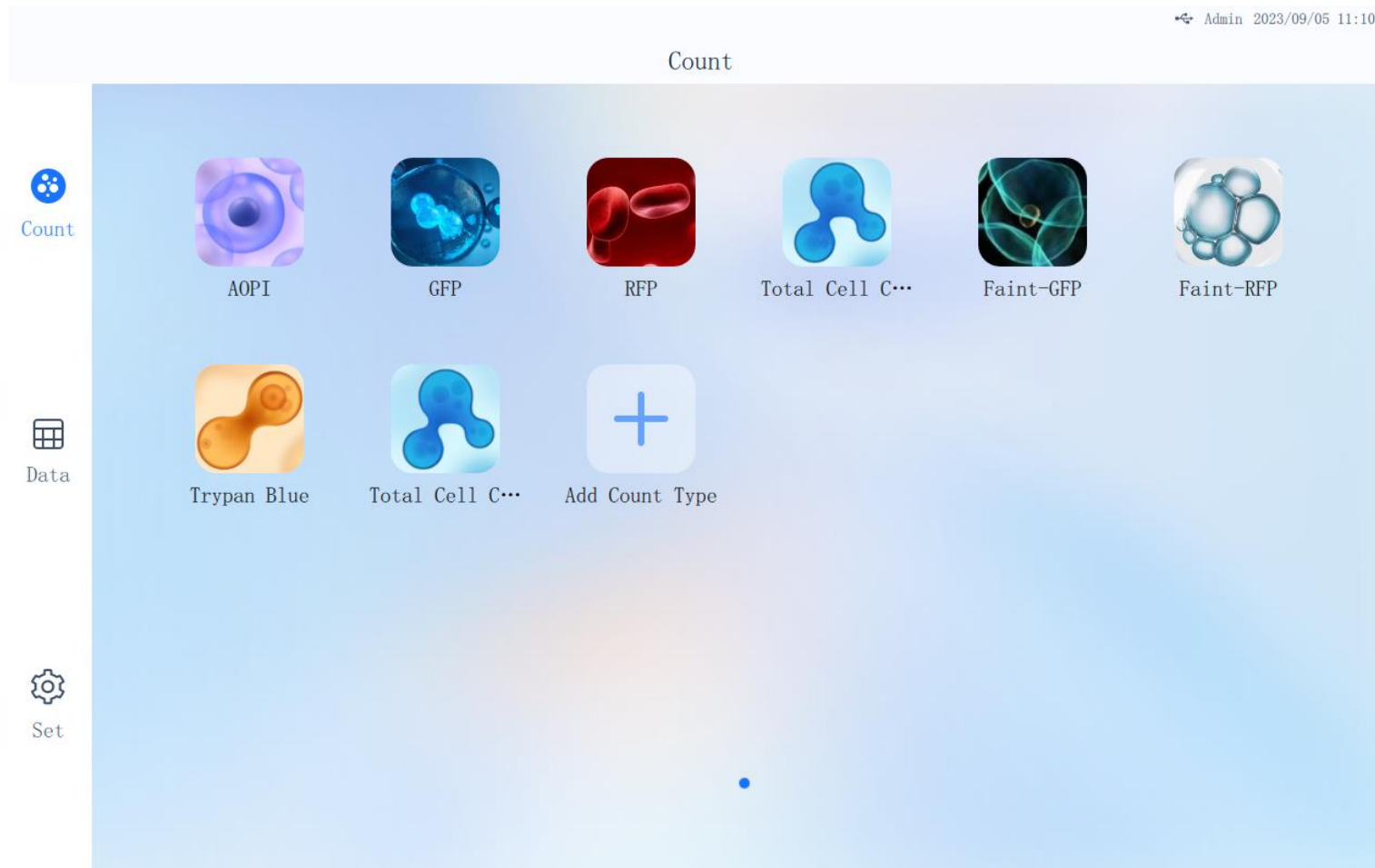
- APP style program, one click counting
- 6-channel counting slide, automatic sampling
- Optional 1-3 counting area, 5s/sample
- 500G storage, one click export multiple formats of data



Safer and easier to use

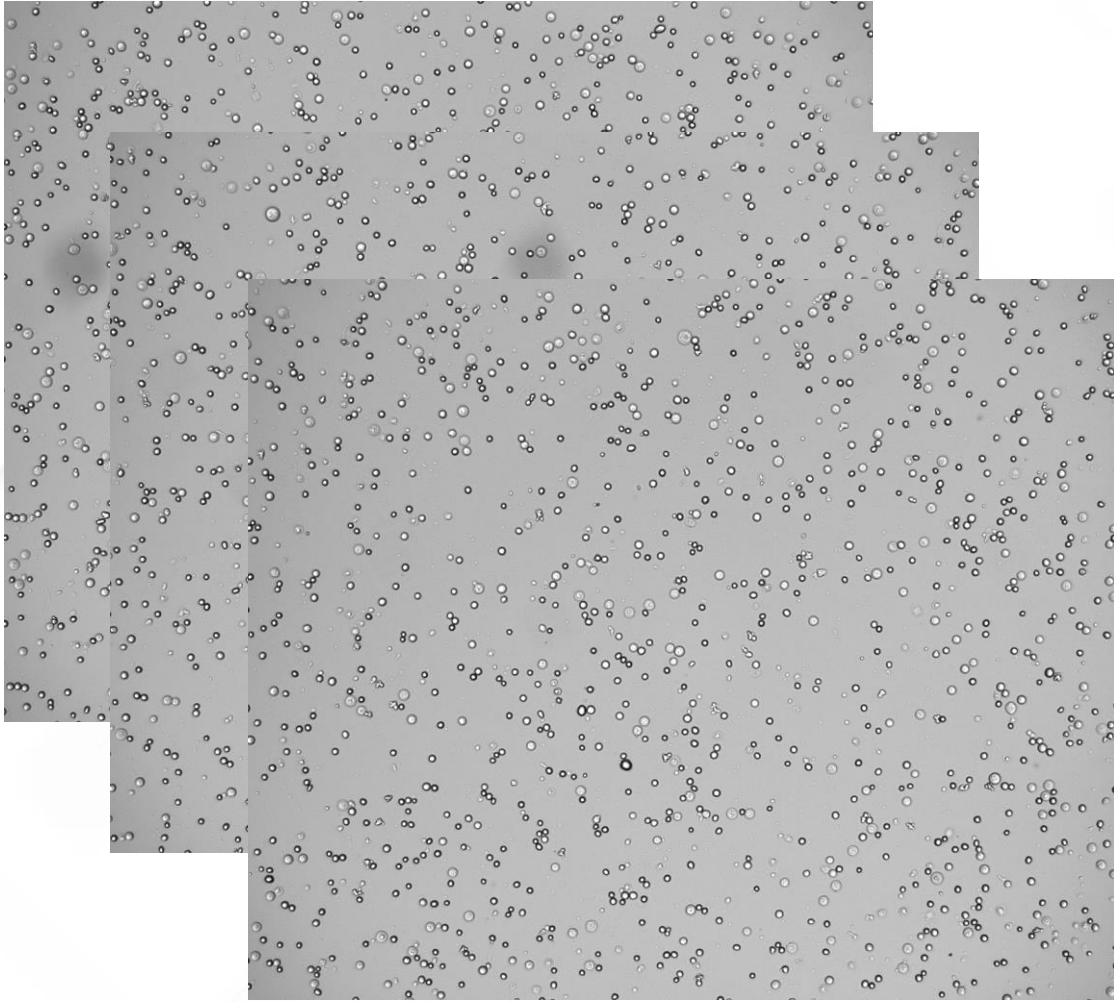
- FDA 21 CFR Part 11 compliance
- multiple built-in help interfaces, easy to use
- Compact size fits into different placements

Preset programs can be used by one click

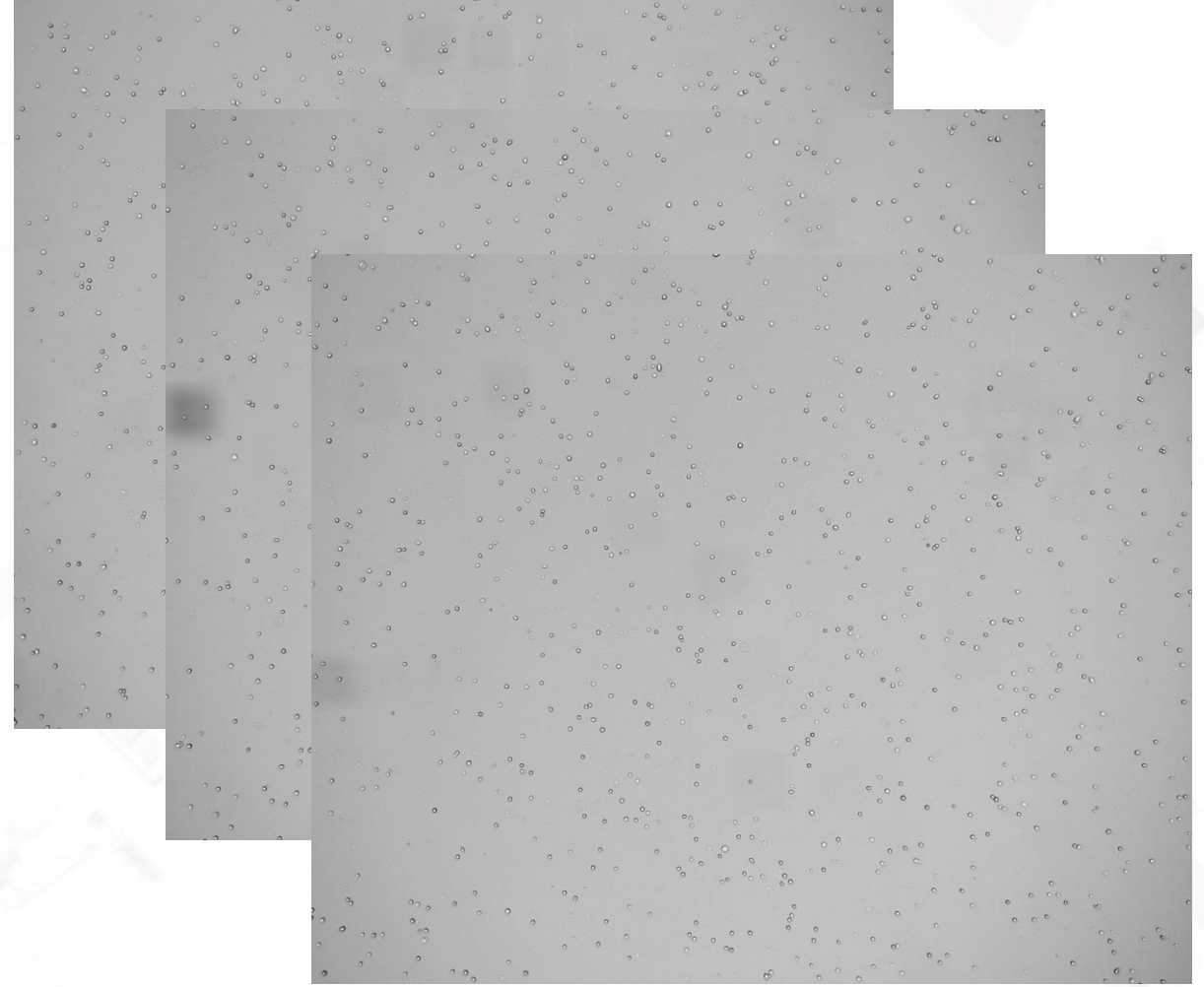


- Programs APPs can be used directly without manual operation
- Automatic sampling and counting
- Reduce human error and make results more stable

Fixed focus for more stable imaging

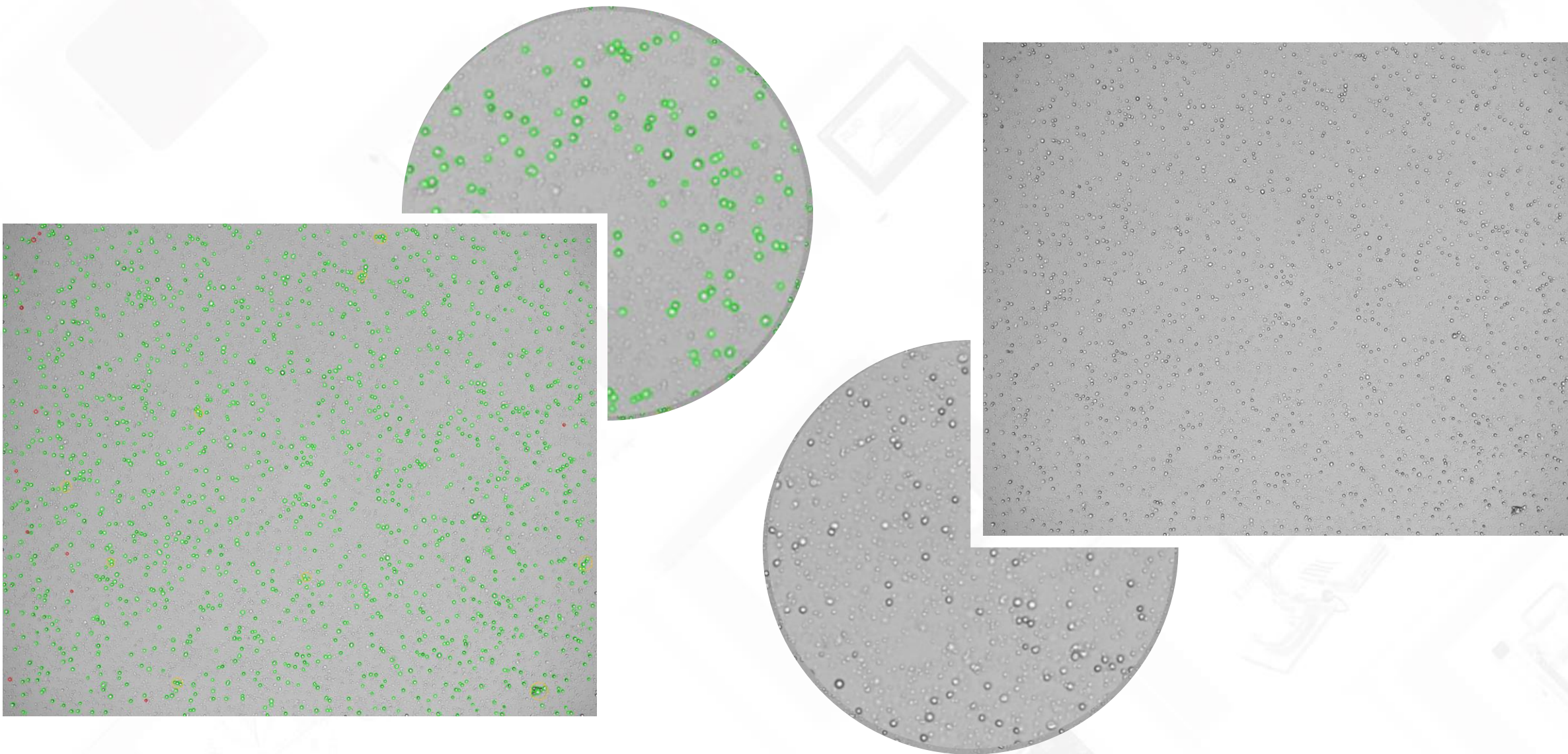


CHO cells



mouse spleen cells

Intelligently cell marks for precise cell recognition

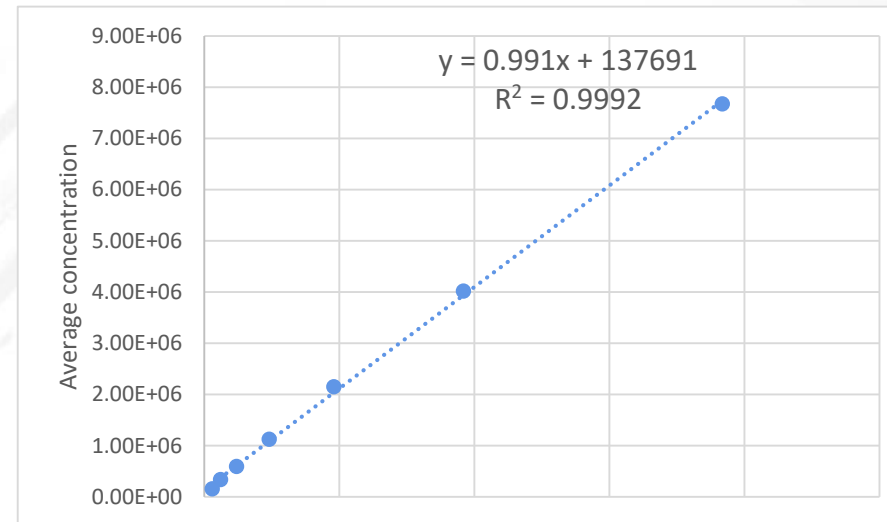


human PBMC cells

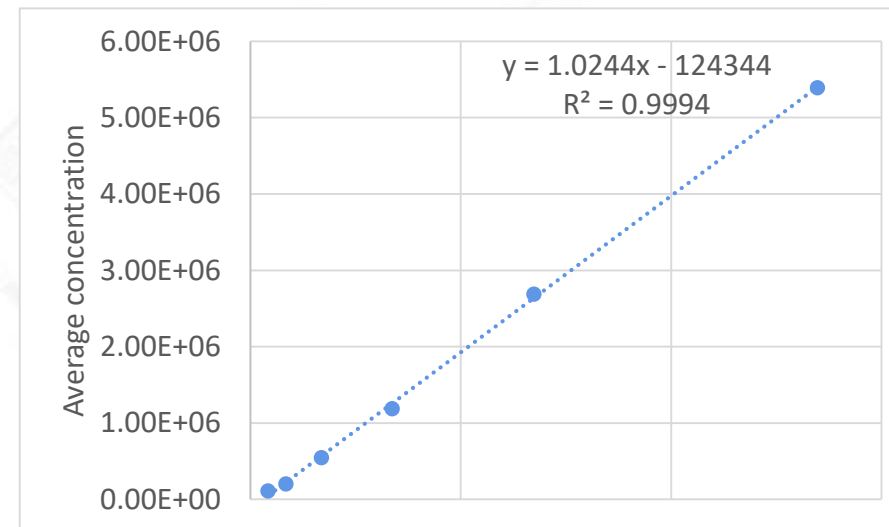
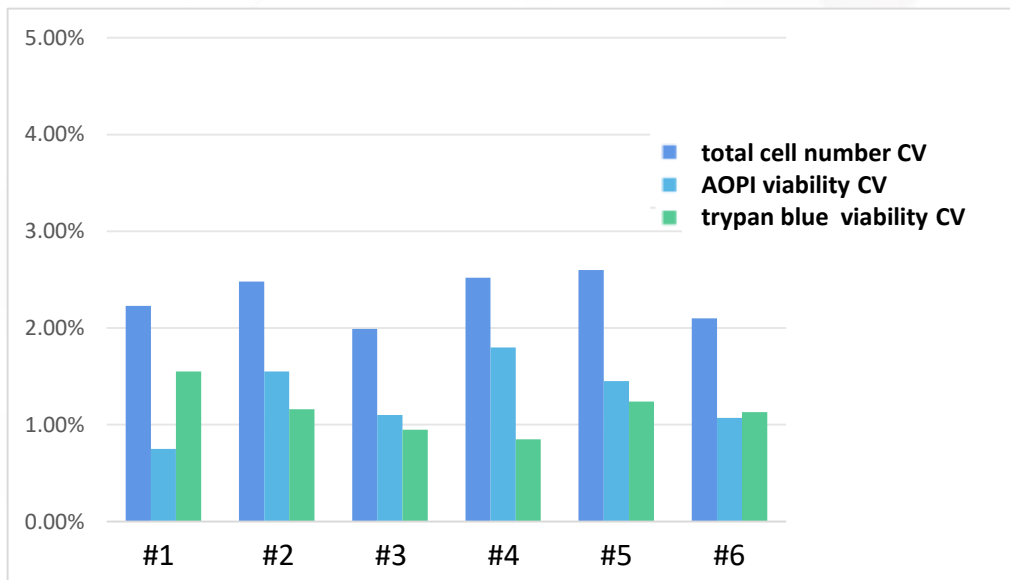


High accuracy & Good repeatability

Machine No.	total cell number CV	AOPI viability CV	trypan blue viability CV
#1	2.23%	0.75%	1.55%
#2	2.48%	1.55%	1.16%
#3	1.99%	1.10%	0.95%
#4	2.52%	1.80%	0.85%
#5	2.60%	1.45%	1.24%
#6	2.10%	1.07%	1.13%

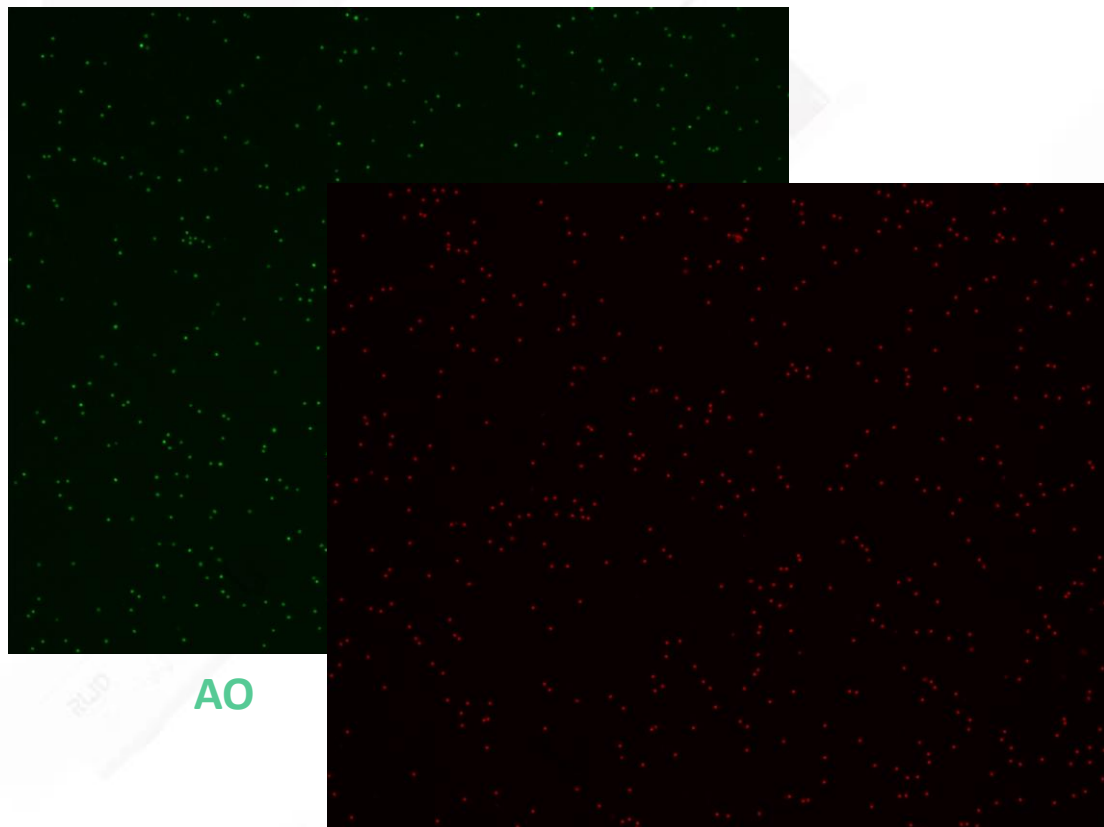


Standard beads



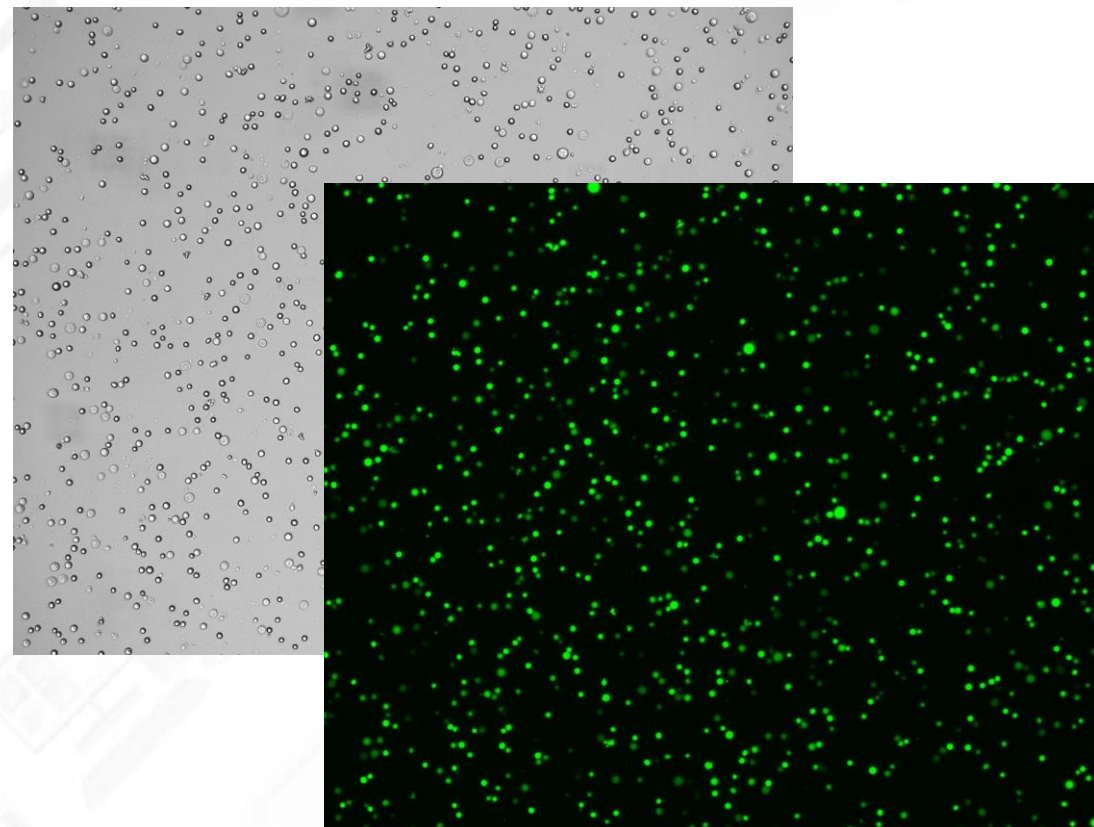
CHO cells



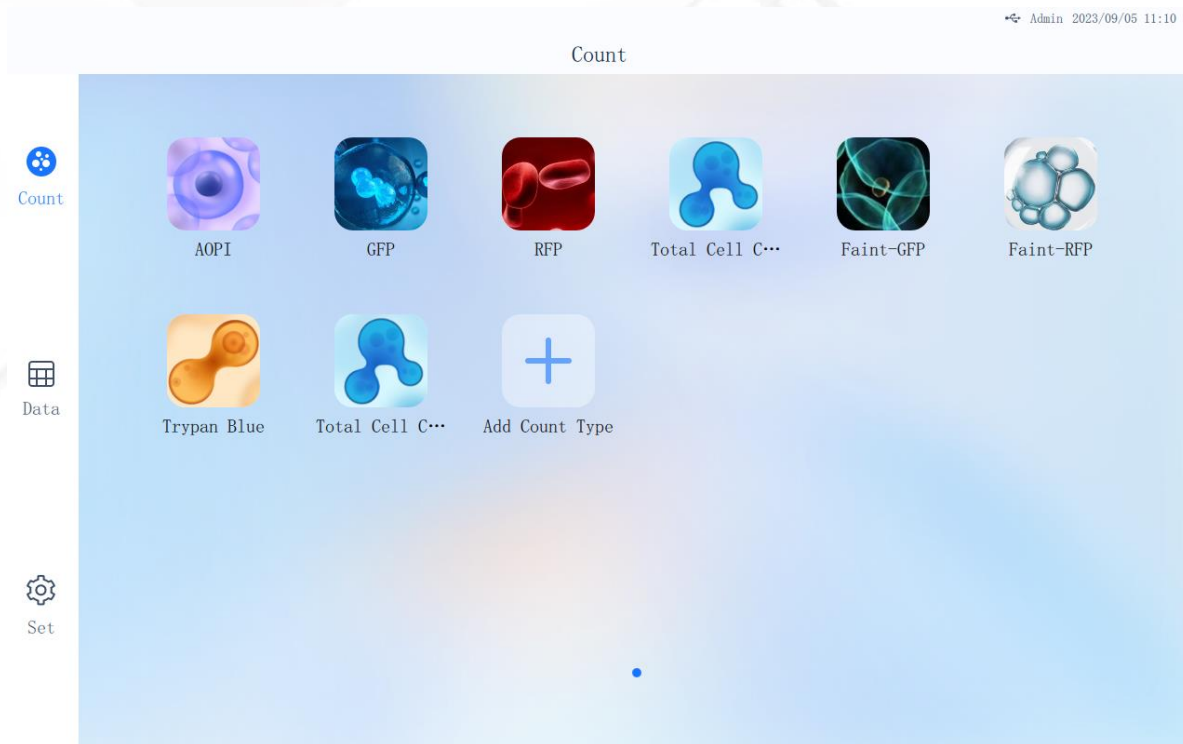


AO

PI



GFP transfection rate



APP style program, one click counting



APPs can be managed in group and rename

Real time save of results, Optional 1-3 counting area

< Back Admin 2023/09/05 11:16 Result

BF AO PI Merge

Sample: Ch 1 View

Count type: AOPi Sample name: Ch 1
校准值: Dilution factor: 2.00X

Overall:

Cell Viability: 78.28%	Total Conc: 4.44×10^6 /ml
Live Conc: 3.16×10^6 /ml	Dead Conc: 8.77×10^5 /ml
Total Cell Number: 537	Live Cell Number: 382
Dead Cell Number: 106	Average Size: 14.84 μ m
Average Circularity: 0.84	Agglomeration Rate: 8.94%

View 1:

Cell Viability: 78.28%	Total Conc: 4.44×10^6 /ml
Live Conc: 3.16×10^6 /ml	Dead Conc: 8.77×10^5 /ml
Total Cell Number: 537	Live Cell Number: 382
Dead Cell Number: 106	Average Size: 14.84 μ m
Average Circularity: 0.84	Agglomeration Rate: 8.94%

Marker

Para adjust Re-analysis Histogram Calculator

display both overall results and each counting area data

复制计数类型

Name: TP-1

Number of views: 3 2 1

Cell type: 全选

Dilution ratio: 1X

取消 确定

Optional 1-3 area for counting

Admin 2023/09/05 11:19

< Back Parameters Adjust

BF AO PI Merge

Cell type: 293

MinSize: 8 μm MaxSize: 33 μm

Alive/Dead: More

	BF	AO	PI
Original	537	382	106
Last	---	---	---
Current	---	---	---

The results in the table are the total number of cells before/after adjusting

Calculate

Save as

Parameter adjustment will not modify existing parameters and data. It can be saved as a new cell type, and then the data can be re-analyzed.

Parameters can be adjusted as needed
(without changing the current results and
parameters)

Re-analysis

Count type: [P]AOPI

Cell type: 293

Cancel

293
7901
CHO

New parameters can be used to reanalyze saved results

Counting results in many formats, one-click export

Data Export

Export 1 data to

Format: PDF Excel Image Fcs

Path: External storage device Servers

[Cancel](#) [Confirm](#)

- Multiple data formats available for export
- Data can be exported to a USB drive or PC server
- The PDF report is detailed and can be printed for preview

RWD

深圳市瑞沃德生命科技有限公司

基本信息:

用户账号: administrator	计数类型: AOPI	生成时间: 2022/03/02 17:49
实验名称: 细胞活率实验	细胞类型: 293	仪器序列号: RWD00001
样品名称: Sample1	稀释比例: 2 X	软件版本: V01.01.01.2345

结果:

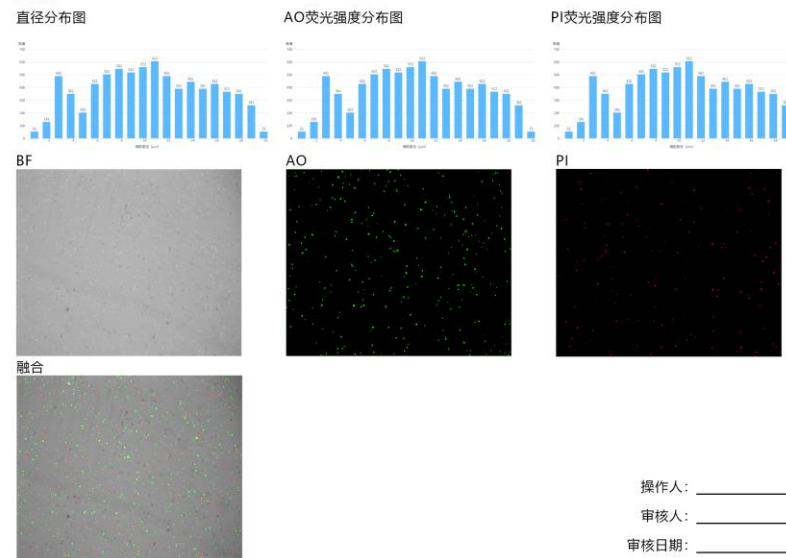
细胞活率: 90%	总细胞个数: 10	平均直径: 4.68 μ m
总细胞浓度: 3.45x10 ⁵ /ml	活细胞个数: 9	结团率: 18.24%
活细胞浓度: 2.25x10 ⁵ /ml	死细胞个数: 1	平均圆度: 0.65
死细胞浓度: 1.25x10 ⁵ /ml		

参数:

曝光参数	BF	曝光: 2ms	增益: 200dB
	AO	曝光: 2ms	增益: 200dB
	PI	曝光: 2ms	增益: 200dB

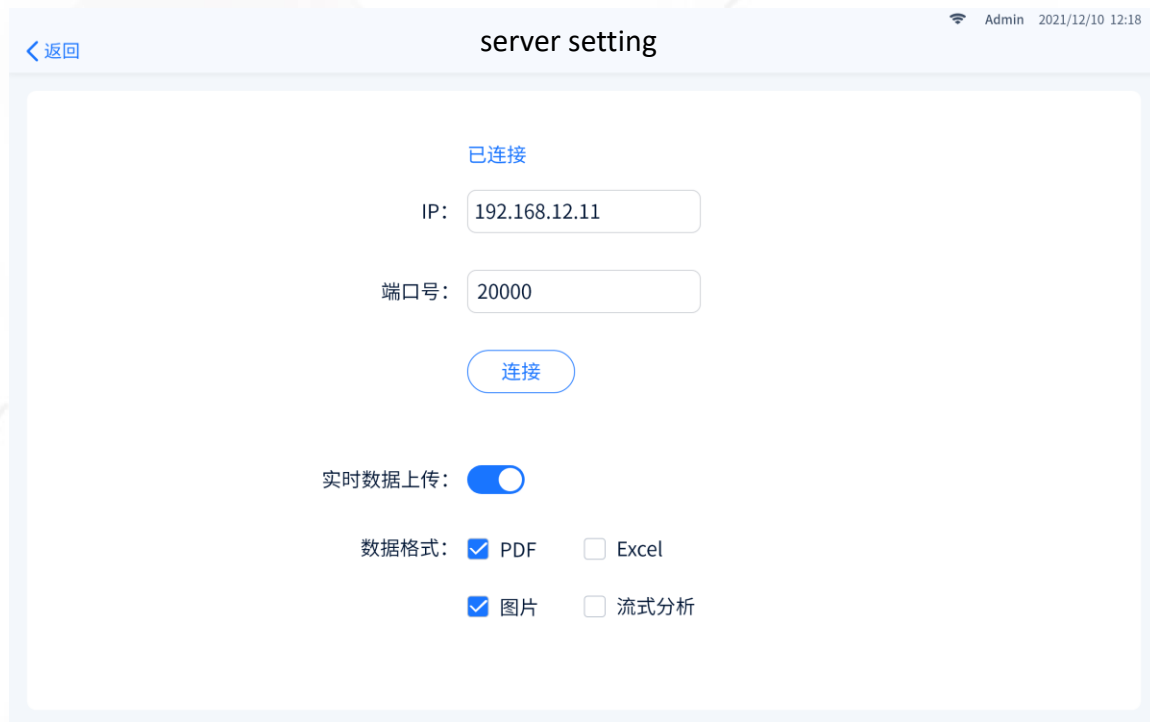
BF	MinSize (μ m) : 2	MaxSize (μ m) : 200	Alive/Dead: 233	Filter Radius: 233
	Vote: 10	BorderPix: 25	Low Edge: 255	High Edge: 20
AO	MinArea: 2	MaxArea: 200	FlouTH: 233	
PI	MinArea: 2	MaxArea: 200	FlouTH: 233	

图像:

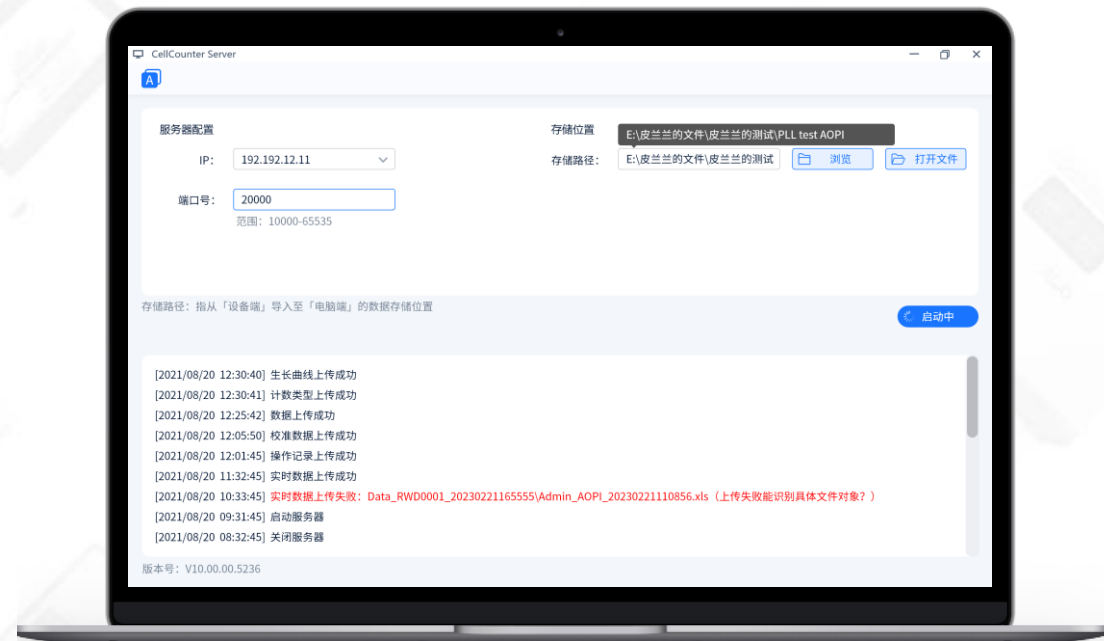


操作人: _____
审核人: _____
审核日期: _____

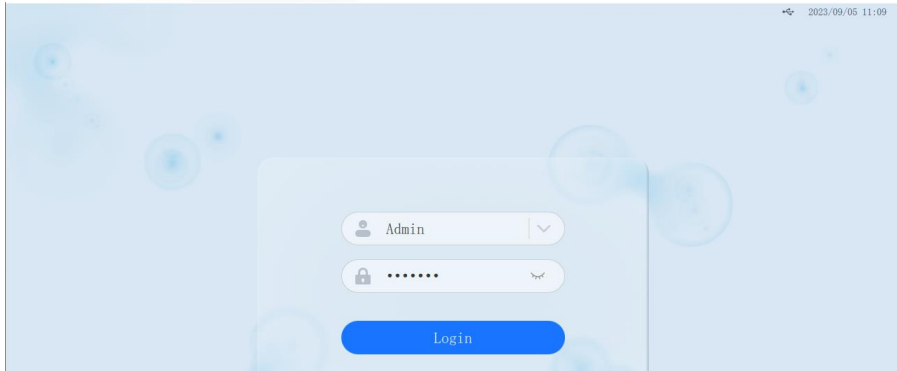
Data can be uploaded to server in real-time



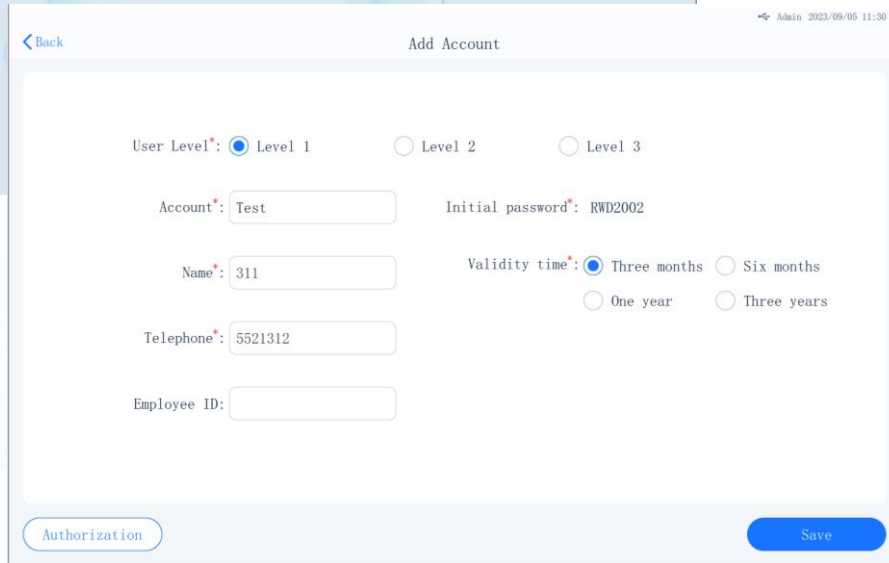
C200FL server setting



PC server setting interface



➤ Login with Account and password



Back Add Account Admin 2023/09/05 11:30

User Level*: Level 1 Level 2 Level 3

Account*: Test Initial password*: RWD2002

Name*: 311 Validity time*: Three months Six months
 One year Three years

Telephone*: 5521312

Employee ID:

Authorization Save

➤ User and permission management



Electronic records Admin 2021/12/10 12:18

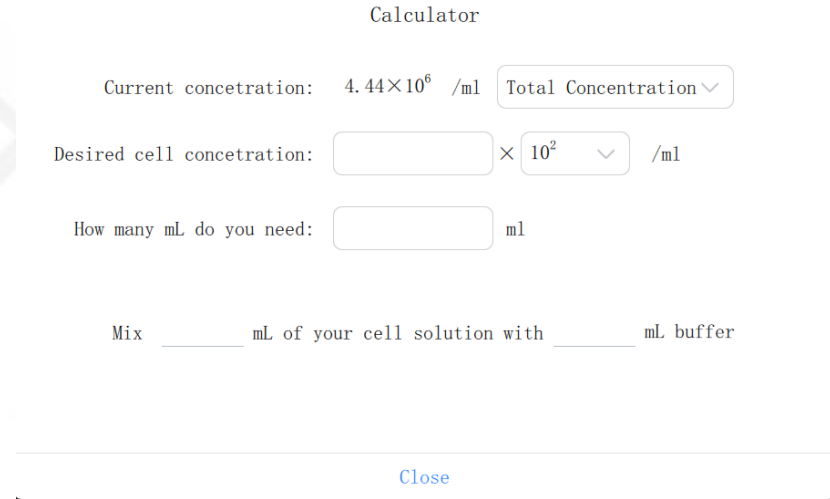
2021/09/09 搜索 导出 打印

操作类型	操作详情
5 登录	/
2 计数-运行	类型: [预] NTP 样品ID: 20211222111225 实验名称: AAAAAAAAAAAAAA 样品名称: BBBBBBBBBBBB
WWWWWWWWWW	2021/12/22 12:12:32 数据-导出 类型: 台盼蓝计数 样品ID: 20211222111225 实验名称: AAAAAAAAAAAAAA 样品名称: BBBBBBBBBBBB 导出内容: PDF、图片 导出至: U盘、服务器
Professor	2021/12/22 12:12:32 退出登录 /
Professor	2021/12/22 12:12:32 登录 /
Professor	2021/12/22 12:12:32 退出登录 /
Professor	2021/12/22 12:12:32 退出登录 /

➤ Electronic records are generated in real-time and cannot be deleted



system can be backed up and restored without worrying about data loss



built-in concentration calculator function



Software can be updated online

