



# Single Cell Suspension Dissociator



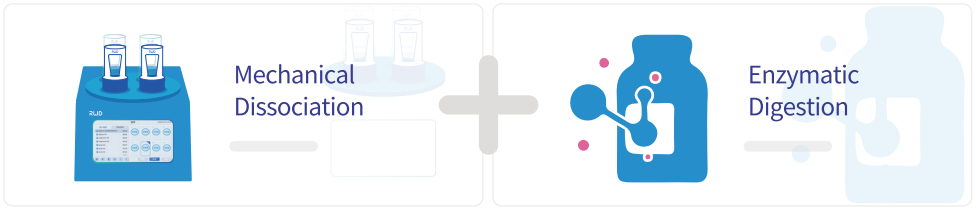
RWD Single cell suspension dissociator can gently dissociate fresh tissue into single cell suspension or tissue homogenate. It matches with tissue processing tubes, tissue dissociation kits, and optimization programs for different tissues. The preparation of single cell suspension can be completed within 15-30 minutes, and multi-channels can operate independently, which makes the experiments more efficient.

RWD Single cell suspension dissociator is a good preparation for high quality single cell suspension, simultaneously is homogenous and high experimental repeatability.



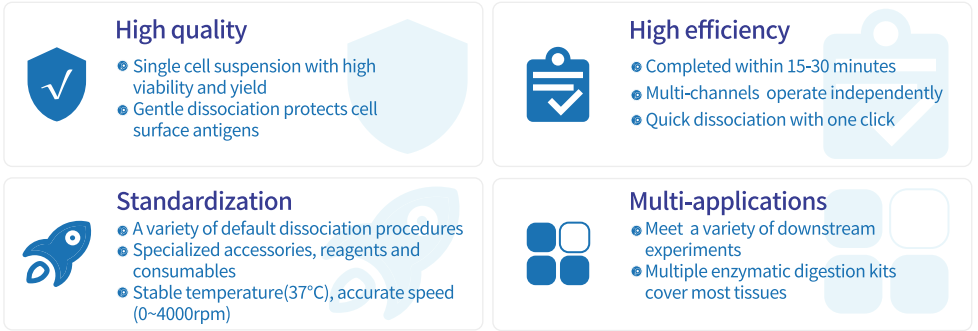
## Product Principle

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY



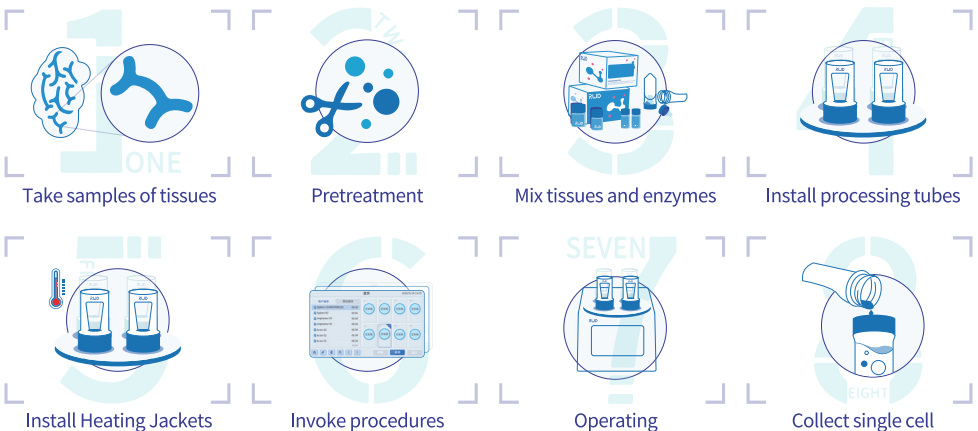
## Product Characteristics

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY



## Workflow

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY

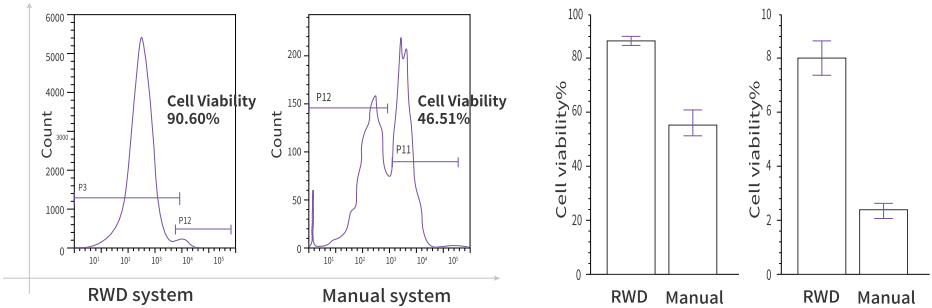




# Data presentation

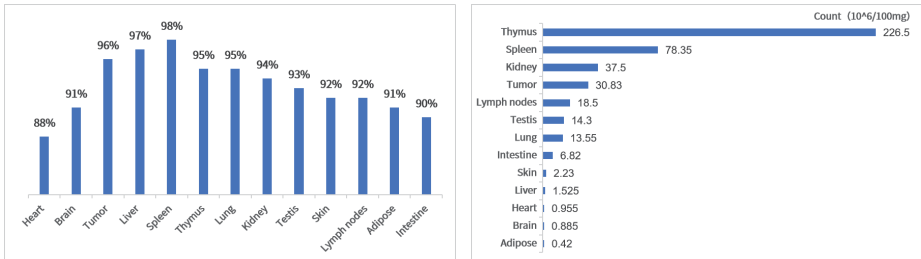
CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY

## RWD single cell suspension dissociator—Superior to manual



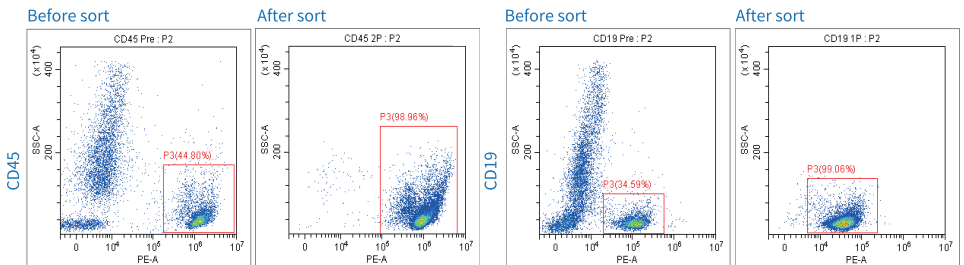
RWD single cell suspension dissociator dissociated mouse lung cancer tissue(LLC), cell viability and yield were better than manual dissociation.

## RWD single cell suspension dissociator—High quality



RWD single cell suspension dissociator dissociated a variety of mouse tissues, which showed high cell viability and yield.

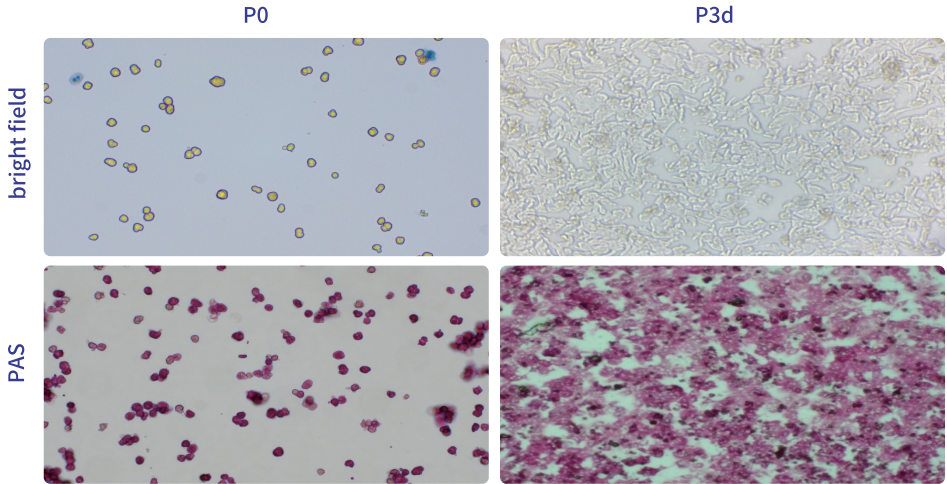
## RWD single cell suspension dissociator—Magnetic beads cell sorting



RWD single cell suspension dissociator dissociated mouse intestine. Then performed CD45 and CD19 cell sorting experiments respectively, which both showed high purity.



## RWD single cell suspension dissociator—Primary cell culture



RWD single cell suspension dissociator dissociated mouse liver, Microscopic examination showed few cell clumps and cell debris, PAS staining showed good adhesion growth on 3d of cell culture.

## Product Application

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY



Single cell sequencing



Flow cytometry



Magnetic beads cell sorting



Primary cell culture



Organoid culture




Experimental medicines testing



## Technical Parameters

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY

	
Channels	2
Temperature	37°C
Speed	0~4000rpm
Sample Volume	20~4000mg
Buffer Volume	0.3-10mL
Screen	7 inches,touch screen
User Programs	default programs*500 user programs
Weight	9 kg
Dimensions (W*D*H)	215*380*190 mm

## Consumables

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY



### Enzymatic Digestion Kits

- Optimized enzymatic reagents,protecting surface antigens
- Meet the dissociation of human, rat, mouse and other species
- Meet the dissociation of tumors, brain, skin, intestine, fat and other difficult tissues



### Heating Jacket

- Stable and accurate temperature (37°C)
- Temperature fluctuation range of  $\pm 0.5^{\circ}\text{C}$



### Tissue processing tube

- Independent package, safe and sterile
- Sample volume:20-4000mg
- Buffer volume: 0.3-10mL

\*Not sold in the U.S.



# Order Information

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY

Cat No.	Product Description	Specification
DSC-200	Single Cell Suspension Dissociator	2 channels
DSC-410	Single Cell Suspension Dissociator	4 channels
DSC-810	Single Cell Suspension Dissociator	8 channels
SCT-25	Tissue Processing Tube	25 pcs/box
SCT-100	Tissue Processing Tube	100 pcs/box
HJ-400	Heating Jacket	4 pcs/box

Cat No.	Product Description	Specification
DHTE-5001	High Activity Tumor Tissue Enzymatic Digestion Kit(Mouse)	50T
DHNBE-5002	High Activity Neonatal Brain Enzymatic Digestion Kit(Mouse and Rat)	50T
DHABE-5003	High Activity Adult Brain Enzymatic Digestion Kit(Mouse and Rat)	50T
DHGT-5004	High Activity General Tissue Enzymatic Digestion Kit	50T
DHTEH-2505	High Activity Tumor Tissue Enzymatic Digestion Kit(Human)	25T
DHIE-5007	High Activity Intestine Tissue Enzymatic Digestion Kit(Mouse)	50T
DHBTE-2508	High Activity Brain Tumor Enzymatic Digestion Kit	25T
DHWSE-2509	High Activity Whole Skin Enzymatic Digestion Kit(Mouse)	25T
DHAE-5010	High Activity Adipose Tissue Enzymatic Digestion Kit(Mouse and Rat)	50T
DHDR-5006	High Efficiency Debris Removal Kit	50T
DHNE-2511	High efficiency nuclei extraction kit	25T
DHHE-2515	High Activity Hepatocyte Extraction Kit (Mouse and Rat)	15T

## RWD Life Science Co.,Ltd

Add: 9/F, 19/F, 20/F, Building 7A, 9/F Building D, Shenzhen International Innovation Valley, Xili Street, Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, China. E-mail: [rwd@rwdstco.com](mailto:rwd@rwdstco.com)

## RWD Life Science Inc.

Add: 10410 Corporate Drive, Sugar Land, TX 77478, USA  
Tel: (858)900-5879 Support: [service@rwdls.com](mailto:service@rwdls.com)  
Web: [www.rwdstco.com](http://www.rwdstco.com)