

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 optimizational 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



Mechanical
Dissociation



Enzymatic
Digestion



Product Characteristics

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High quality

- Single cellsuspension with high viability and yield
- Gentle dissociation protect cell surface antigens



High efficiency

- Completed within 15-30 minutes
- Multi-channels operate independently
- Quick dissociation with one click



Standardization

- A variety of default dissociation programs
- Specialized accessories, reagents and consumables
- Stable temperature(37°C), accurate speed (0~4000rpm)



Multi-applications

- Meet a variety of downstream experiments
- Multiple enzymatic digestion kits cover most tissues



Workflow

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Take samples of tissues



Pretreatment



Mix tissues and enzymes



Install processing tubes



Install heating Jackets



Invoke procedures



Operating



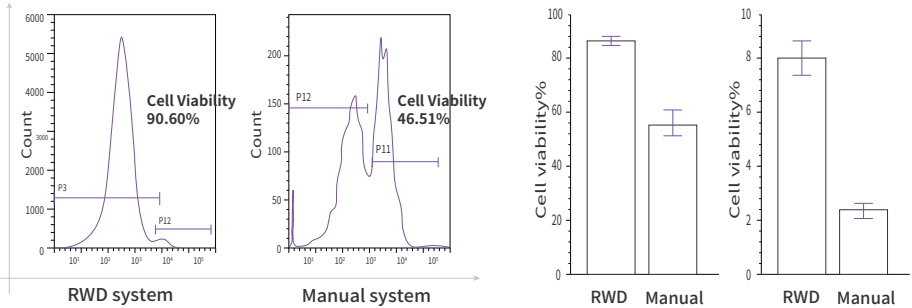
Collect single cell



Application Performance

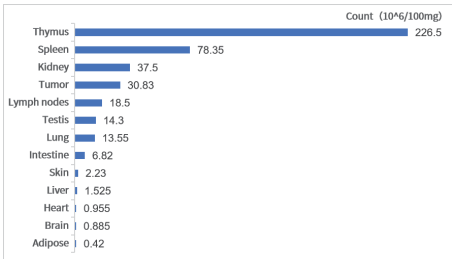
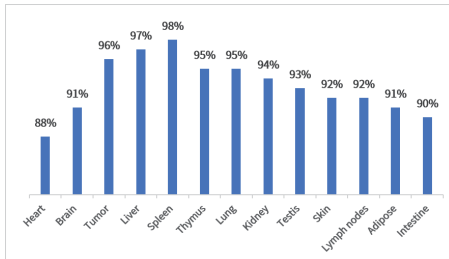
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RWD single cell suspension dissociator—Superior to manual



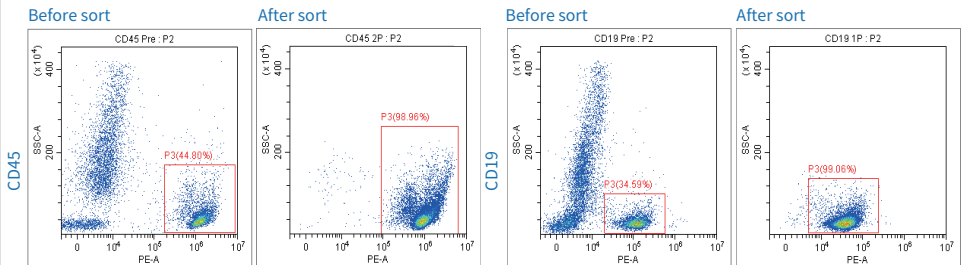
RWD single cell suspension dissociator dissociated mouse lung cancer tissue(LLC), cell viability and yield were better than manual dissociation.

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.

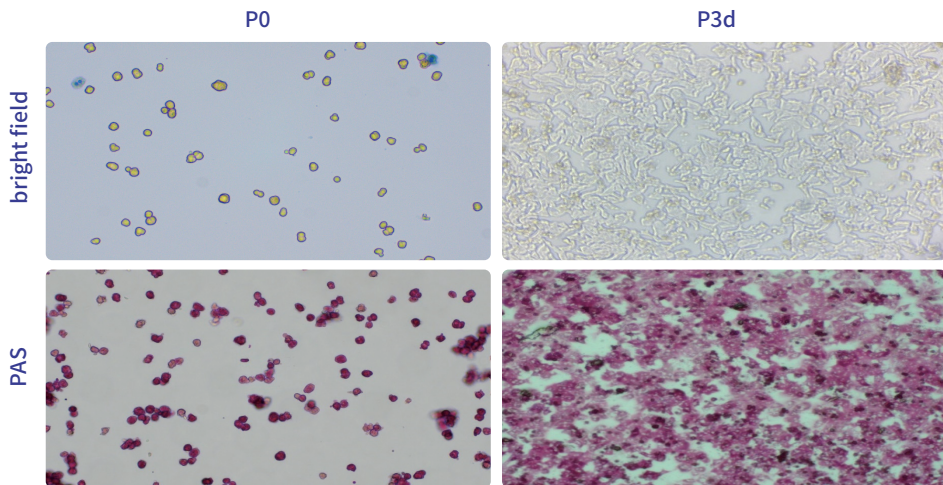
RWD single cell suspension dissociator—Magnetic beads cell sorting



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

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Single cell sequencing



Flow cytometry



Magnetic beads cell sorting



Primary cell culture



Organoid culture



Experimental medicines testing



Technical Parameters

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Channels	2	4	8
Temperature	37°C		
Speed	0~4000rpm		
Sample Volume	20~4000mg		
Buffer Volume	0.3-10mL		
User Procedures	Default programs+500 customized programs		
Screen	7 inches,touch screen		
Weight	9 kg	10.3 kg	18 kg
Dimensions (W*D*H)	215*380*190 mm	215*380*190 mm	415*381*256 mm

Consumables

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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

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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
DHWE-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

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