

RWD is a manufacturer of laboratory equipment for cell and molecular biology. Their smart and ergonomic systems are handy and comfortable in everyday laboratory workflow.

RWD application solutions cover single cell preparation, cell culture and routine molecular experiments.

RWD

Single cell suspension dissociator

SINGLE-CELL SUSPENSION WITH HIGH CELL VIABILITY IN 15–30 MINUTES

RWD Single cell suspension dissociator uses tissue processing tubes, tissue dissociation kits, and built-in optimization programs for preparing high-activity single-cell suspension and tissue homogenate. It is widely used in single-cell sequencing, primary cell culture, fluorescence-activated cell sorting, cell therapy, and other research fields.



Cat. no.	Models
DSC-400	4-channel RWD dissociator
DSC-800	8-channel RWD dissociator

CONSUMABLES AND CUSTOMIZED TISSUE DISSOCIATION KITS

- Ethylene oxide (EO) sterilized tissue processing tubes: for sample volume 20–4000 mg, buffer volume 0,3–10 ml
- Wide range of enzymatic digestion kits for targeted optimization of enzymatic hydrolysis formula ensuring high cell viability and preserving cell surface epitopes

Magnetic microbeads cell separation kit



HIGH PURITY AND VIABILITY OF SEPARATED CELLS

Kit content

- Separation stand
- Separation columns
- Human cell separation kit (CD3+, CD4+, CD8+)
- Mouse cell separation kit (CD3+, CD4+, CD8+)

Gradient thermal PCR cycler

RAPID AND SPECIFIC AMPLIFICATION OF TARGET DNA FRAGMENTS

- 12 linear gradients in the same run to optimize the ideal annealing temperature
- Increment or decrement of temperature and time cycle to realize different experiments like Touchdown PCR and Long PCR experiments
- Fast ramp rate of up to 6 °C/s for efficient PCR runs
- Long-life Peltier elements for temperature accuracy and uniformity
- Data visualization: smart touch screen and personalized account management



Centrifuges

RWD offers 3 models of centrifuges with wide selection of rotors and adaptors. M1416R is medium throughput model with the highest speed, and more than 100 pre-programmed settings.



Cat. no.	Models	Max. speed
M1416R	High-speed benchtop refrigerated centrifuge	18 000 rpm
M1324	High-speed ventilated microcentrifuge	15 800 rpm
M1324R	High-speed refrigerated microcentrifuge	15 800 rpm