

12 stations Dissolution system

YUKE 12 stations Dissolution system include 12 stations dissolution tester and 12 stations stripping sampler.

1. Dissolution tester



RC1208 dissolution test instrument is a high-performance 12-cup 12-bar dissolution test device designed and manufactured strictly in accordance with the provisions of Chinese Pharmacopoeia and American Pharmacopoeia. It has high intelligence, advanced structure, accurate control and good reliability. PC cup board and water bath box integrated design, beautiful appearance, easy to observe the test process from multiple angles. High temperature resistance, corrosion resistance, extended service life.

Performance and technical parameters:

- Device number: 12 cups 12 rods (isothermal refill cups can be added).



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

- Speed zone: (6+6) 2 working areas, 2 batches of dissolution test can be completed at the same time.
- Mode of administration: Simultaneous dosing and sequential dosing are two ways.
- The intelligent sampling frame can automatically rise and fall according to the volume of the solvent, and has functions such as real-time temperature monitoring in the cup.
- Applicable method: "Chinese Pharmacopoeia" first method (basket method), second method (paddle method), third method (small cup method), fourth method (paddle dish method), fifth method (rotating cylinder method).
- Mixing paddle and rotating basket specifications comply with pharmacopoeia regulations.
- Stirring paddle swing amplitude: $\leq 0.3\text{mm}$
- Stirring rate: 25RPM-250RPM.(Mixing speed is optional up to 300RPM)
- Stirring direction: Clockwise, counterclockwise.
- Stirring rate resolution: 0.01RPM.
- Speed error: $\leq 0.5\%$.
- Swing of the basket: $\leq 0.5\text{mm}$
- Deviation between rotating rod and dissolving cup shaft: $\leq 1\text{mm}$
- Water bath temperature: Room temperature -45°C. (The heating temperature is optional up to 55°C)
- Temperature resolution: 0.01°C.
- Temperature control accuracy of water bath: 0.2°C.
- Temperature control accuracy of dissolving medium: 0.2°C.
- Dosing mode: Simultaneous dosing.
- Lifting system: Bamboo square column lifting.
- Authority management: Three levels, seven users.
- Audit trail: 128 items x366 days.
- Operating noise: $< 60\text{db}$
- Environmental condition: Ambient temperature 5-37 °C, relative humidity $\leq 80\%$.

- Safety performance: In line with national industry standards, with self-test and automatic protection functions.
- Power source: 220V, 50Hz

* Additional optional items need to be purchased separately.

2. QY12 stripping sampler



QY12 sampler is a new sampler independently developed by yuke Analysis, which is used to connect dissolution instruments produced by yuke to form dissolution sampling system. The whole system adopts 26ML high-precision injection pump as the sampling power, the sampling speed is fast and the precision is high. The whole system has the function of initial filtrate and distribution, which can realize initial filtrate waste and continuous filtrate distribution retention sample. High precision injection pump to achieve high precision automatic filtration, sampling and rehydration. Has a number of patented technology, advanced structure, accurate control, high degree of intelligence.

Technical parameter:



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- Sampling channel: 12.
- Sampling frequency: There is no limit (16 times per batch) to manually change the sample tray.
- Sampling accuracy: RSD<0.5%
- Sampling interval: 1 minute to 999 hours and 59 minutes.
- The amount of a single sample: 1ml~15ml
- Sample consistency: RSD between channels $\leq 1\%$
- Sampling repeatability: RSD $\leq 0.5\%$
- Test tube collection: 15ml.
- Rehydration function: Equal volume rehydration.
- Initial filtration volume: 0ml~10ml.
- In-line filter: Filter membrane aperture 0.45um, 0.8um Luer connector filter.
- Communication interface: RS232、RS485、network.
- Authority management: Three levels, seven users.
- Audit trail: 128 items x366 days.
- Login mode: User name + password, fingerprint.
- Print: Online printing.