variable speed rocker for dyeing and decolorization

Variable speed rocker is a widely used mixing, shaking and rocking equipment in the laboratory, suitable for experimental operations that require precise control of rocking speed, time and swing angle.

Variable Speed Rocker

Main Features

1. Adjustable swing angle: Freely set swing angle to suit different samples and protocols.
2. Adjustable speed: Tunable rocking speed for optimal mixing, avoids excessive sample disturbance.
3. Timing function: Programmable time control for precise operation and unattended runs.
4. Compact design: Space-saving, easy to place and operate in limited lab environments.
5. Multi-functional applicability: Suitable for gel processing, staining, cell culture, antigen-antibody reactions, blood mixing, and more.
6. Stable operation: Consistent shaking motion ensures repeatability and data accuracy.

Advantages

1. Flexible operability: Swing angle, speed, and time settings adapt to diverse experimental workflows—improves efficiency.
2. Precise control: Accurate adjustment for customized sample handling—ensures reliable results.
3. Efficient processing: Eliminates manual variability—supports long-term or high-throughput experiments.
4. Multi-field application: Versatile for cell culture, molecular hybridization, staining, and more.

Working Principle

The rocker uses an up-and-down mechanical drive to produce smooth rocking motion. Adjustable angle and speed optimize mixing, fixation, or reaction of various samples. Programmable time settings ensure uniform mixing and precise time control, minimizing errors from under- or over-processing.

Application Areas

1. Molecular biology: Fixation, staining, decolorization post-gel electrophoresis.
2. Immunology: Ensures uniform antigen-antibody reactions.
3. Chemical analysis: Promotes even reagent contact in staining and developing.
4. Cell culture: Distributes nutrients uniformly for cell growth.
5. Blood processing: Uniform mixing for accurate diagnostics.

6. Radiographic autoradiography: Uniform chemical processing for X-ray negatives.
7. Molecular hybridization: Enhances contact and efficiency in hybridization reactions.

Model	**BR20**
Rotation speed	25rpm
swing angle	±25° from horizontal
Timer	1minute to 99hours 59minutes or continuously
Program storage	2 programmable and 10 self-contained programs
Operating temperature	+2° to +70°C
Platform dimensions	252x170mm
Power supply	230Vac 50Hz, 60Hz
Dimensions	346x196x95mm
Weight	2.5kg