

# RDT4510

## Variable-Speed 10-Position Single-Layer Tube Rotator

The RDT4510 is a variable-speed single-layer tube rotator that puts precise mixing control in the hands of the operator. With an adjustable speed range of 5 to 30 RPM, it adapts to virtually any protocol — from the gentlest handling of fragile blood cell suspensions to more vigorous agitation for reagent homogenization. Ten tube positions in a compact Type A format accommodate the most common laboratory tube sizes, making the RDT4510 a versatile, protocol-adaptable choice for research, clinical, and diagnostic laboratories.

**5-30**

RPM

**10**

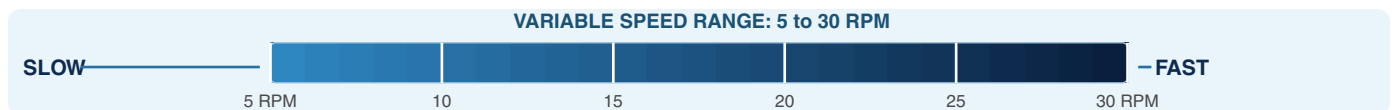
Positions

**1**

Layer

**VAR**

Speed



### KEY FEATURES

#### Adjustable Speed 5–30 RPM

Dial in precise rotation speed to match any sample type or protocol — from ultra-gentle cell handling at 5 RPM to active agitation at 30 RPM.

#### 10-Position Single-Layer Design

Processes up to 10 standard tubes simultaneously in a compact Type A format suited for everyday clinical and research tube sizes.

#### Gentle to Vigorous Mixing Range

One instrument adapts to a full spectrum of applications — blood cell suspensions, immunoassay incubations, hybridizations, reagent mixing, and more.

#### Incubator & Cold Room Compatible

Compact footprint allows placement inside temperature-controlled environments for on-condition mixing without additional equipment.

#### Protocol-Adaptable Operation

Variable speed control gives operators the flexibility to optimize conditions for each assay or sample type without switching instruments.

#### CE Certified

Meets international safety and performance standards for clinical and research laboratory use.

### SPECIFICATIONS

<b>Model</b>	RDT4510
<b>Type</b>	Variable-Speed Mixer
<b>Configuration</b>	Single-Layer
<b>Roller Type</b>	Type A (Standard Length)
<b>Number of Positions</b>	10
<b>Number of Layers</b>	1
<b>Speed Range</b>	5–30 RPM (Variable)

<b>Rotation</b>	End-Over-End
<b>Certification</b>	CE
<b>Country of Origin</b>	China
<b>Warranty</b>	1 Year
<b>UPC</b>	00850084643361
<b>Status</b>	Active

## APPLICATIONS

### Blood & Cell Suspensions

Ultra-gentle rotation at 5–8 RPM minimizes shear stress on fragile blood cells, platelet preparations, and delicate biological suspensions requiring careful handling.

### Immunoassay & Hybridization

Mid-range speeds (10–20 RPM) provide the consistent, reproducible end-over-end movement needed for ELISA incubations, nucleic acid hybridizations, and antibody-antigen binding assays.

### Temperature-Controlled Protocols

Compact incubator and cold room compatibility makes the RDT4510 ideal for ELISA incubations, cell-based assays, and any protocol requiring mixing at precisely controlled temperatures.

### Reagent & General Sample Prep

Higher speed settings (20–30 RPM) handle everyday reagent homogenization, bead resuspension, and general sample preparation tasks requiring more active agitation.