

RDT4516

# Variable Speed 16-Position Tube Rotator

More positions. Same precision. Built for the batches that can't wait.

The RDT4516 is a variable-speed tube rotator that combines protocol flexibility with extended batch capacity for high-volume laboratory workflows. An adjustable speed range of 5–30 rpm covers the full spectrum of mixing demands — from delicate cell suspensions and sensitive biological samples to routine reagent homogenization — giving researchers precise control over rotation speed to match the requirements of each protocol. The extended Type B roller accommodates 16 tube positions, offering greater throughput than standard single-roller configurations without increasing the instrument's footprint. Its single-layer compact design makes it readily deployable inside temperature-controlled incubators or cold rooms, where maintaining consistent environmental conditions throughout the mixing process is essential.

## SPECIFICATIONS

Speed Range	5 – 30 RPM
Capacity	16 positions
Roller Type	Type B (extended)
Layers	1
Mixer Type	Tube Rotator
Certification	CE
Warranty	1 Year
Part Number	RDT4516

## KEY FEATURES

- **Variable speed control, 5–30 RPM** — Protocol-specific rotation for applications from delicate cell suspensions to standard reagent homogenization.
- **16-positions** — Higher sample throughput per run for laboratories processing larger batch volumes.
- **Single-layer compact footprint** — Purpose-built for installation inside temperature-controlled incubators and cold rooms.
- **Reproducible end-over-end rotation** — Consistent, uniform sample treatment across all 16 positions in every run.
- **Broad application compatibility** — Suitable for cell suspensions, reagent mixing, and immunoassay incubation across clinical, research, and diagnostic workflows.

## APPLICATIONS

### Clinical & Diagnostic Laboratories

Supports high-throughput immunoassay incubation protocols where multiple samples must be processed simultaneously under identical, reproducible mixing conditions.

### Cell Biology & Suspension Culture

Variable speed range can be dialled to the gentlest settings needed to maintain cell viability throughout extended incubation periods.

### Reagent Preparation & QC

16-position capacity and consistent end-over-end rotation reduce per-run hands-on time while maintaining the reproducibility that validated protocols require.