

DATASHEET · MICROTOMES

Manual Microtome Series.

SKU RF-RD-315/ RF-RD-475/RF-RD-495 Spec v1 Rev. 2026-06-24

DATASHEET · P
RF-RD-315/ RF-RD-475/RF-RD-495
 Rev 2026-06-24

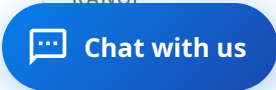


PRODUCT FAMILY
 ANIMAL MODEL
 APPLICATION
 COUNTRY OF ORIGIN
 MFG. STANDARD
 LOT TRACEABLE **No**
 VERIFIED **Spec v1 · 2026-06-24**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

PRODUCT TYPE	variable	SAMPLE ORIENTATION	RD-315: XY ±8°, 360° rotatable 475: 360° rotatable, RD-495: X
MODEL	Standard - RD-315, Intermediate - RD-465, Professional - RD-475, Advanced - RD-495	HORIZONTAL SPECIMEN STROKE	RD-315: 0–28 mm, RD-475: 28 mm, RD-495: 28 mm
MAXIMUM SPECIMEN SIZE	60 mm x 50 mm	VERTICAL SPECIMEN STROKE	RD-315: 52 mm, RD-475: 60 mm, RD-495: 70 mm
VOLTAGE AND FREQUENCY	RD-315 / RD-495: AC 220V±10%, 50Hz (AC 110V±10%, 60Hz optional)	RESEARCH DOMAIN	Cancer Research, Cell Biology, Developmental Biology, Histopathology, Neuroscience, Pathology, Toxicology
SPECIES	Cat, Dog, Gerbil, Hamster, Pig, Rabbit, Mouse, Rat, Guinea pig	AUTOMATION LEVEL	Manual
SECTION THICKNESS RANGE	RD-315: 0.5–60 µm, RD-475: 1–60 µm, RD-495: 1–60 µm	SPECIMEN ANGLE	Adjustable on three axes
GUIDE RAIL TYPE	Imported cross-roller guide rails	MOTION MECHANISM	Screw motion mechanism
SPECIMEN RETRACTION	RD-315: Yes, RD-475: 50 µm, RD-495: 90 µm (optional)	SPECIMEN HOLDER SYSTEM	Replaceable — paraffin block clamp and cassette clamp
PRECISION	±1%	SECTION THICKNESS INCREMENTS	RD-315: 0.5 µm (0–2 µm) / 1 µm (2–10 µm) / 2 µm (10–20 µm) / 5 µm (20–60 µm), RD-495: 1 µm (0–20 µm) / (20–60 µm)
TRIMMING THICKNESS RANGE	RD-475: 0–60 µm, RD-495: 15–35 µm	BLADE HOLDER ANGLE	RD-475: 0°–15° adjustable
NET WEIGHT	RD-315: 565×440×285 mm, RD-475: 555×450×320 mm, RD-495: 565×440×285 mm	NET WEIGHT	RD-315: 28 kg, RD-475: 45 kg, RD-495: 37 kg



590×500×330 mm

DIMENSIONS L×W×H
(MM) 34.0 × 25.0 × 20.0

WEIGHT (KG) 6.61

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BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Manual Microtome Series

MATERIALS REFERENCE

0 MATERIALS

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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 Rev 2026-06-24

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COMI

OPERATING

TEMPERATURE

 HUMIDITY

 PRESSURE

STORAGE

TEMPERATURE

 HUMIDITY

 ORIENTATION

STERILIZATION & CLEANING

AUTOCLAVE

 GAMMA

 AVOID █

ETO

 WIPE █

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. **Verified 2026-06-24** · **Since 2026-06-24**.

Cite: ConductScience RF-RD-315/ RF-RD-475/RF-RD-495, Spec v1, 2026-06-24. conductscience.com/lab/manual-microtome-series

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