

DATASHEET · AGRICULTURE & FOOD SCIENCE

Plant Root Morphology Phenotype Analysis System.

SKU AGR-0031 Spec v1 Rev. 2026-07-12

DATASHEET · P
AGR
Rev 2026
PREVIEW — FIELDS F



PRODUCT FAMILY
ANIMAL MODEL
APPLICATION
COUNTRY OF ORIGIN
MFG. STANDARD
LOT TRACEABLE No
VERIFIED Spec v1 · 2026-07-12

PRODUCT SPECIFICATIONS FROM PUBLISHED PROD

ROOT TIP COUNT RANGE	0–1,000	ROOT TIP COUNT ACCURACY	Error < 5%
TOTAL ROOT SYSTEM LENGTH RANGE	0–10,000 mm	TOTAL ROOT SYSTEM LENGTH ACCURACY	Error < 3.65%
AVERAGE ROOT DIAMETER RANGE	0–20 mm	AVERAGE ROOT DIAMETER ACCURACY	Error < 0.04%
PROJECTED AREA RANGE (WHOLE SYSTEM)	0–200,000 mm ²	PROJECTED AREA ACCURACY	Error < 4.02%
SURFACE AREA RANGE (WHOLE SYSTEM)	0–1,000,000 mm ²	SURFACE AREA ACCURACY	Error < 3.75%
VOLUME RANGE (WHOLE SYSTEM)	0–2,000,000,000 mm ³	LATERAL ROOT COUNT RANGE (ALL LEVELS)	0–100
NUMBER OF CONNECTIONS RANGE	0–100	LATERAL ROOT PARAMETERS REPORTED	Quantity, length, average diameter, surface area, volume, and projected area per hierarchical level
MEASUREMENT PRINCIPLE	Image recognition–based analysis of washed root systems in vitro	AVAILABILITY	In stock

BILL OF MATERIALS · 1 LINE ITEMS BASE CONF

QTY	ITEM	SKU
1	Plant Root Morphology Phenotype Analysis System	AGR-0031

Scope.

INFO@CONDUCTSCIENCE.COM CONDUCTSCIENCE.COM

AGR-0031 · DATASH

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BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Plant Root Morphology Phenotype Analysis System

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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PREVIEW — FIELDS F

OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COM

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

Specifications verified against current published product data. Verified 2026-07-12 · Since 2026-07-12.

Cite: ConductScience AGR-0031, Spec v1, 2026-07-12. conductscience.com/lab/plant-root-morphology-phenotype-analysis-system

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