

Work Package 3 High-Throughput Phenotyping Protocols (HTPP) Report Template: Inventory Of Capacities

Ugochukwu IKEOGU, NRCRI, Umudike, Nigeria
Chiedosie EGESI, NRCRI, Umudike, Nigeria



This report has been written in the framework of RTBfoods project.

To be cited as:

Ugochukwu IKEOGU, Chiedosie EGESI. 2018. Work Package 3. High-Throughput Phenotyping Protocols (HTPP). Report Template: Inventory Of Capacities. Umudike (Nigeria). RTBfoods Project Report, 4p.

Image cover page © Dufour D. for RTBfoods.

Work Package 3

High-throughput phenotyping protocols (HTPP)

REPORT TEMPLATE: INVENTORY OF CAPACITIES

General identification

Institute/Partner	NRCRI
Country	NIGERIA
Locality	UMUDIKE
Product	Cassava
Contact	UGOCHUKWU IKEOGU (uni3@cornell.edu)

Human Resources

	Education	Responsibility	Name & Email contact
Technicians	BSc Food Science	NIRS Acquisition, Calibration development (Under training)	Chukwudi Ernest Ogbenta
Technicians	BSc (In-view) Computer science	NIRS Acquisition	Kelechi Njoku
Researcher	MSc Food science	NIRS Acquisition	Ugo Chijioke
Researcher/Consultant	PhD High-throughput Phenotyping/Plant Breeding	NIRS Acquisition, Calibration development	Ugochukwu Ikeogu

Material

	Instrument-1	Instrument-2	Instrument-3
Brand and Model	QualitySpec Trek: S-10016		
Sampling module	Quartz ring cup/Direct on whole roots		
Wavelengths range	300 nm – 2500 nm		
Acquisition step	1 nm		
Operating Software	Open source R; ISISCAN 1.8		
Files formats available	Indico Pro CSV, Excel, ASCII etc		
Situation	Portable and Flexible for Laboratory and Field-based phenotyping.		



Institution: Cirad – UMR QualiSud

Address: C/O Cathy Méjean, TA-B95/15 - 73 rue Jean-François Breton - 34398
MONTPELLIER Cedex 5 - France

Contact Tel: +33 4 67 61 44 31

Contact Email: rtbfoodspmu@cirad.fr