

Providing reliable and timely agricultural analysis to help you improve your farm's profitability.

Service Guide & Price List

Prices valid from 26 February 2021

Quick Find Index

Soil Testing	
Super Savings Package – Organic Soil Testing	3
Combination Packages – Sap & Soil combinations	4
Combination Packages – Dry Tissue & Soil combinations	4
Soil tests	5-7
QuickSoil	7
Main Roads and Transport Tests	7

Plant & Produce Testing	
Super Savings Packages – Commercial Produce	3
Combination Packages – Sap & QuickSoil	4
Combination Packages – Dry Tissue & QuickSoil	4
Sap Analysis	8
Dry Tissue Analysis	9
Produce Analysis	9
Avocado Maturity Index Testing	9
Microbial Testing	10-11
Pathology / Disease Identification	11

Water Testing	
Super Savings Packages – Water Safety Testing	3
Irrigation Water (Nutrient) Testing	10
Hydroponic (Drip and Drain) Testing	10
Microbial Testing	11

Other Products and Services	
Additional Services	12
Products	12
Service Extras	13
Sample Submission instructions	13
Testing and Results schedule	14

Super Savings Packages

	-			
		ORGANIC SOIL TESTING PACKAGE		
Test Code	Package Name	Analysis	Price (ex. GST)	Price (Incl. GST)
C15	Organic Soil Test (MRL & Heavy Metals)	Organo-phosphates, Organo-chlorides (67 compounds in total) and Total Heavy Metals: Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc	\$436.36	\$480.00 Save \$100
		COMMERCIAL PRODUCE TESTING PACKAGES		\$100
Test Code	Package Name	Analysis	Price (ex. GST)	Price (Incl. GST)
C16	Freshcare Produce	Total Heavy Metals: Lead, Cadmium; Organo-phosphates, Organo-chlorides (MRL - 64 compounds in total) and F3 Microbial Tests: E. coli, Thermotolerant coliforms, Total Coliforms, Salmonella spp. & Listeria spp.	\$577.27	\$635.00 Save \$100
C17	Freshcare + Supermarket Produce	Total Heavy Metals: Lead, Cadmium; Multi-residue Screen (OC + OP + Herbicides) (MRL - 100 compounds in total) and F4 Microbial Tests: E. coli, Thermotolerant coliforms, Total Coliforms, Plate Count, Salmonella spp. & Listeria spp.	\$695.45	\$765.00 Save \$100
		WATER SAFETY TESTING PACKAGES		
Test Code	Package Name	Analysis	Price (ex. GST)	Price (Incl. GST)
C18	Environmental Water	Organo-phosphates, Organo-chlorides (67 compounds in total) and Total Heavy Metals: Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc PLUS water interpretation report.	\$418.18	\$460.00 Save \$58
C19	Basic Household Water	Water nutrients Including: pH, EC, Sodium, Chloride, Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sulfate, Copper, Zinc, Boron, Manganese, Iron, Total Alkalinity, LSI and Microbial Water Indicators: E. coli, Thermotolerant Coliforms, Total Coliforms, Heterotrophic Plate Count (22°C & 36°C) PLUS water interpretation report.	\$300.00	\$330.00 Save \$28
C20	Complete Household Water	Organo-phosphates, Organo-chlorides: 67 compounds in total Total Heavy Metals: Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc Water nutrients Including: pH, EC, Sodium, Chloride, Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sulfate, Copper, Zinc, Boron, Manganese, Iron, Total Alkalinity, LSI and Microbial Water Indicators: E. coli, Thermotolerant Coliforms, Total Coliforms, Heterotrophic Plate Count (22°C & 36°C) PLUS	\$681.82	\$ 750.00 Save \$93

water interpretation report.

Combination Packages

QUICKSOIL & SAP COMBO PACKAGES							
TEST CODES	C1	C2	C5	C6	C9	C10	
S6	✓	✓		✓	✓		
S7			✓			✓	
P1	✓						
P2		✓	✓				
P3				✓			
P9					✓	✓	
Price (excl. GST) Price (incl. GST)	112.73 124.00	130.91 144.00 Save	165.45 170.00 Save	161.82 178.00 Save	148.18 163.00 Save	180.00 198.00 Save	
	Save \$17	\$15	\$16	\$14	\$14	\$17	

Why combine QuickSoil and Sap testing?

Combined soil and sap testing provides the most comprehensive insights into soil and plant interactions during the growing season, allowing growers to be highly responsive to immediate needs while simultaneously working towards long-term improvements in production.

SOIL & DRY TISSUE COMBO PACKAGES					
TEST CODES	C3	C4			
S34	✓	✓			
P4		✓			
P5	✓				
Price (excl. GST) Price (incl. GST)	185.00 200.00	216.36 238.00			
	Save \$21	Save \$13			

Add a
Complete Soil
Fertiliser
Recommendation
to any Combo
Package for just
\$50

Save a
further
\$33

Soil Testing

	SC	IL ANA	LYSIS				
Nutrient	Soil S31	Soil S32	Soil S33	Soil S34	Super Soil S35	Sugar Soil S42	Sugar Soil S43
Texture & Soil Colour	✓	✓	✓	✓	✓	✓	✓
Nitrate-N	✓	✓	✓	✓	✓		✓
Phosphorus (Colwell)	✓	✓	✓	✓	✓	✓	✓
Phosphorus (BSES)		✓	✓	✓	✓	✓	✓
Exchangeable Cations (Ca, Mg, Na, K)	✓	✓	✓	✓	✓	✓	✓
Sulphate-S (MCP)		✓	✓	✓	✓	✓	✓
pH (1:5 water)	✓	✓	✓	✓	✓	✓	✓
EC (1:5 water)	✓	✓	✓	✓	✓	✓	✓
Chloride	✓	✓	✓	✓	✓		✓
Phosphorus Buffer Index (PBI)		✓	✓	✓	✓	✓	✓
Organic Carbon (W&B)		✓	✓	✓	✓	✓	✓
Organic Matter		✓	✓	✓	✓	✓	✓
Ammonium-N		✓	✓	✓	✓		✓
Cu, Fe, Mn, Zn (DTPA)			✓	✓	✓	✓	✓
Boron (hot CaCl ₂)				✓	✓		
Aluminium (if pH is < 5.5)					✓		
Solvita Respiration Test (Microbial Population Indicator)					✓		
Silicon (BSES + CaCl ₂)					✓	✓	✓
Potassium (Nitric)						✓	✓
Calculations: Ca Cat %, K Cat %, Mg Cat %, ESP, CEC	✓	✓	✓	✓	✓	✓	✓
Optimal Levels and Traffic Light Charts on Report	✓	✓	✓	✓	✓	✓	✓
Price (excl. GST) Price (incl. GST)	63.64 70.00	80.00 88.00	103.50 113.85	126.36 139.00	169.09 186.00	114.545 126.00	136.36 150.00
Minimum sample volume required	500g	500g	500g	500g	500g	500g	500g

To provide a representative sample, please collect soil from 20-25 locations across the block you're testing. Combine samples and then take a single sample of 500 g from the combined samples. Please ensure your sample is free from rocks, pebbles and solid clods. Avoid taking samples immediately after rain or irrigation.

Please go to our sampling guide: www.novumlifesciences.com.au/sampling for full details on collecting samples.

Soil Testing

ADDITIONAL SINGLE ELEMENT (ASE) TESTS							
Nutrient	Method Code	Sample Volume (Additional to 500g)	Price excl. GST	Price incl. GST			
Prices below are for Additional Single Element tests included in an existing soil test (S31 to S43). A Sample Preparation fee of \$17.50 (incl. GST) applies to Single Element Tests requested without a full soil test.							
Exchangeable Aluminium (KCI)	15G1	100g	15.91	17.50			
Exchangeable cations (Ca, Mg, Na, K)	15D3	200g	36.36	40.00			
Organic Carbon (W&B)	6A1	100g	36.36	40.00			
Micros: Cu, Fe, Mn, Zn (DTPA)	12A1	200g	36.36	40.00			
Phosphorus Buffer Index, PBI (requires P Colwell test)	912	200g	15.91	17.50			
pH (1:5 water)	4A1	100g	15.91	17.50			
Electrical Conductivity (1:5 water)	3A1	100g	15.91	17.50			
pH (CaCl ₂)	4B2	100g	15.91	17.50			
Phosphorus (BSES)	9G2	100g	15.91	17.50			
Phosphorus (Colwell)	9B1	100g	15.91	17.50			
Phosphorus (Olsen)	9C2	100g	15.91	17.50			
Potassium (Nitric)	18C1	100g	36.36	40.00			
Silicon (CaCl ₂)	CaCl ₂	100g	15.91	17.50			
Silicon (BSES)	13D1	100g	15.91	17.50			
Sulphate (MCP)	10B	100g	15.91	17.50			
Total Nitrogen (Combustion)	7A5	100g	34.54	38.00			
Labile Carbon	6E1	100g	36.36	40.00			
N1: Nematode Count	Whitehead tray	500g	118.18	130.00			
Solvita Respiration Test (Microbial Population Indicator)	SOL	200g	36.36	40.00			
Soil Salinity (SS1): pH, E.C., Na & Cl	4A1, 3A1, 15D3, 5A1	200g	45.00	49.50			
CS1: Carbon Suite – Organic Carbon, Total Carbon, Labile Carbon, Total Nitrogen	6A1, 6B2, 6E1, 7A5	200g	81.81	90.00			
Soil CMP: Compost / Manure / Peat / Potting Mix: pH, EC, Nitrate, OC, Colwell-P, K, Ca, Mg, Na, Cl, OM, CEC (Optimal levels NOT AVAILABLE for this test)	4A1, 3A1, 10B1, 6A1, 9B1, 15D3, 5A1	500g	126.36	139.00			

Soil Testing

QUICKSUIL ANALYSIS (SOII	solution test)	– Page 4
Nutrient	S6	S7
рН	✓	✓
Electrical Conductivity (EC)	✓	✓
Nitrate-N	✓	✓
K, Ca, Mg, Na	✓	✓
Chloride (CI)	✓	✓
Ammonium-N (NH4-N)		✓
Optimal Levels and Traffic Light Charts on Reports	✓	✓

QuickSoil testing is a fast and effective option for small crop farmers to use during the growing season, with results available within 48 hours.

The best insights are achieved when combining a QuickSoil test with Sap or Dry Tissue testing – see Page 4 for our Combo Packages.

Minimum sample volume required

Price (excl. GST)

Price (incl. GST)

70.45

77.50

300g

MAIN ROAD & TRANSPORT SOILS (MRTS 16 Landscape and Revegetation Works)

		MRTS 1	MRTS 2	MRTS 3
Form C – Topsoil Testing		✓		
Form E – Subsoil Testing		✓		
Form D – Manufactured Site Topsoil Compliance Testing				✓
	Price (excl. GST) Price (incl. GST)	540.91 595.00	486.36 535.00	422.73 465.00
Form B – Soil Assessment Report Price (excl. GST) Price (incl. GST)		136.36 150.00	136.36 150.00	136.36 150.00
Minimum sample volume required		5kg	3kg	2kg

Bulk discounts are available. If preparing a Tender Proposal for an MRT project please contact us via email at **techservices@novumlifesciences.com.au** for project pricing.

with a Combo

95.45

105.00

300g

Plant Testing

Save
with a
Combo
Package
- Page 4

SAP ANALYSIS				
Nutrient	P1	P2	P3*	P9
Nitrate (NO ₃) (No NO ₃ available on apple or teak samp	oles)	✓	✓	✓
Phosphate (PO ₄ -P)	✓	✓	✓	✓
Potassium (K)	✓	✓	✓	✓
Calcium (Ca)	✓	✓	✓	✓
Magnesium (Mg)	✓	✓	✓	✓
Zinc (Zn)	✓	✓	✓	✓
Sulfate (SO ₄ -S)		✓	✓	✓
Copper (Cu)		✓	✓	✓
Manganese (Mn)		✓	✓	✓
Iron (Fe)		✓	✓	✓
Boron (B)		✓	✓	✓
Sodium (Na)			✓	✓
Chloride (CI)			✓	✓
Silicon (Si)			✓	
рН			✓	
Brix			✓	
Electrical Conductivity (EC)			✓	
Optimal levels and Traffic Light Charts on Report	✓	✓	✓	✓
	excl. GST) 57.73 incl. GST) 63.50	74.09 81.50	103.50 113.85	90.91 100.00

Please note:

Sample volumes required for sap testing varies according to crop type and testing performed. *P3 tests require* 2 – 3 times larger samples than other sap tests. Please refer to our Sap Sampling Manual for details by crop: www.novumlifesciences.com.au/sampling

The P3 Super Sap test is not available for all crops. Please check the list of excluded crops at www.novumlifesciences.com.au/P3exclusions

You can **save** with our Peak Harvest Monitoring Program. Find out more at **www.novumlifesciences.com.au/peakharvest**

Plant Testing

DRY TISSUE ANALYSIS				
Nutrient		P4	P5	
Nitrate, Chloride	✓	✓		
Total Boron, Phosphorus, K, Ca, Mg, Na, Sulfur, Zn, Cu,	✓	✓		
Total Nitrogen	✓			
Optimal Levels and Traffic Light Charts on Reports	✓	✓		
	Price (excl. GST) Price (incl. GST)	102.27 112.50	75.00 82.50	

Sample volumes required for dry tissue testing vary according to crop type and test.

Please refer to our Sampling Guide for full details:

www.novumlifesciences.com.au/sampling

PRODUCE ANALYSIS						
Element	FT1	FT2				
pH, EC, Brix, K, Ca, Mg, Na, Si, Cl	✓	✓				
NO ₃ -N, PO4-P, Zn, Fe, Mn, Cu, B, SO ₄ -S		✓				
Optimal Levels and Traffic Light Charts	✓	✓				
Price (excl. GST) Price (incl. GST)	64.55 71.00	103.50 113.85				

A minimum juice content of **200mL** is required for the FT1 & FT2 fruit tests.

Please go to our sampling guide: www.novumlifesciences.com.au /sampling for details on fruit number

for details on fruit number requirements by crop type.

AVOCADO MATURITY INDICATOR						
Avocado Maturity Indicator	FT3 (21%)	FT4 (23%)	FT5 (22%)			
21% (e.g. Shepherd)	✓					
23% (e.g. Hass)		✓				
22% (e.g. Maluma)			✓			
Price (excl. GST) Price (incl. GST)	68.18 75.00	68.18 75.00	68.18 75.00			

Please provide a minimum of **5 whole avocado** for testing.

Save

Water Testing

IRRIGATION WATER ANALYSIS						
Nutrient	IW2	IW5 (Salinity)	Hydro Water (Drip & Drain only)			
pH, Electrical Conductivity, Sodium, Chloride	✓	✓	✓			
Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sulfate, Copper, Zinc, Boron, Manganese, Iron	✓		✓			
Ammonium-N			✓			
Calculations: Sodium Adsorption Ratio, Total Dissolved Solids, Hardness	✓		✓			
Optimal Levels and Traffic Light Charts on Reports	✓	✓	✓			
Price (excl. GST) Price (incl. GST)	63.64 70.00	45.45 50.00	75.45 83.00			
Minimum sample volume required	500mL	200mL	500mL			

Is my water safe to drink?
See our domestic water packages on page 2

Microbial Testing

WATER							
ORGANISM	MA1	MA2	MA3	MA4	MA5		
E. Coli	✓	✓	✓	✓			
Thermotolerant (faecal) coliforms	✓	✓					
Total Coliforms	✓	✓					
Plate Count	✓	✓		✓			
Salmonella sp.		✓					
Listeria sp		✓					
Yeast & Mould					✓		
Price (ex. GST)	\$159.09	\$204.55	\$81.82	\$140.91	\$81.82		
Price (incl. GST)	\$175.00	\$225.00	\$90.00	\$155.00	\$90.00		

Microbial Testing

FOOD													
ORGANISM	F1	F2	F3	F4	F10	F11	F12	F13	F14	F15	F16	F17	F18
E. Coli	✓	✓	✓	✓				✓					
Thermotolerant (faecal) Coliforms			✓	✓								✓	
Total Coliforms			✓	✓							✓		
Plate Count				✓					✓				
Salmonella sp.	✓	✓	✓	✓	✓								
Listeria sp		✓	✓	✓			✓						
Yeast & Mould										✓			
Listeria monocytogenes						✓							
Enterobacteriaceae													✓
Price (ex. GST)	\$140.91	\$204.55	\$250.00	\$286.36	\$81.82	\$159.09	\$87.27	\$86.36	\$53.64	\$70.00	\$86.36	\$64.55	\$64.55
Price (incl. GST)	\$155.00	\$225.00	\$275.00	\$315.00	\$90.00	\$175.00	\$96.00	\$95.00	\$59.00	\$77.00	\$95.00	\$71.00	\$71.00

Disease Identification

DISEASE IDENTIFICATION – FOR PLANTS ONLY Price TEST Price (excl. GST) (incl. GST) Basic Plant Disease Identification (BID). \$90.00 \$99.00 Identification of disease via observation of symptoms by agronomist. Laboratory Disease Identification (LID). \$227.27 \$250.00 Laboratory based isolation and identification of disease pathogen to genus level (e.g. Fusarium sp., Alternaria sp.) for plant samples only Timing: 2-3 DNA Identification – Only available in addition to LID \$275.00 \$302.50 Disease DNA ID. Identification of pathogens using gene sequencing (per isolate). Timing 1-2 weeks from completion of LID Challenge Plate (CP). \$527.73 \$580.50 Assessment of control afforded by either chemical or biological agents against known pathogen. Timing: 2-3 weeks from initiation \$659.09 \$725.00 **Laboratory Disease Identification and Challenge Plating Combination** Combination package of laboratory disease identification and challenge plating. Timing: 3-4 weeks

Other Services

ADDITIONAL SERVICES						
ITEM	Price (excl. GST)	Price (incl. GST)				
Complete soil fertiliser recommendation - including Total element requirement, product selection and rates (for Soil, QS & Combo samples only)	60.00	66.00				
Water interpretation – Comments regarding suitability / water quality	30.00	33.00				
Hydroponic recipe – development of a recipe of nutritional inputs for hydroponic systems	150.00	165.00				
Crop Fertiliser Plan – includes the fertiliser development and plans per block	280.00	308.00				
Talk to an agronomist – 15 minutes	30.00	33.00				
Sample collection per hour	131.82	145.00				
Consulting/ Monitoring by agronomist (per hour) including travel	131.82	145.00				
Travel – return travel from Hortus office (per hour)	90.91	100.00				

PRODUCTS					
ITEM	Price (excl. GST)	Price (incl. GST)			
Hand lenses	40.00	44.00			
Digital LCD Meter pH Pen	36.36	40.00			
Sticky traps	4.55	5.00			
pH buffers (4.0 or 7.0) 500mL	15.00	16.50			

Do you need soil or plant tissue sampling bags or water sampling bottles?

Please contact our office

techservices@novumlifesciences.com.au

to have them sent out or drop into 1/5 Scotland St, Bundaberg East to collect them.

Did you know? Microbial tests must be submitted in a sterile container to ensure an accurate result.

Other Services

ADDITIONAL FEES					
ITEM	Price (excl. GST)	Price (incl. GST)			
Sample Preparation – charged on samples outside the regular testing suites	15.91	17.50			
Sample Handling – charged on samples that require extended preparation (e.g. > 1 hr prep. Example Rocket, Lychee, Herbs)	54.55	60.00			
Data Entry Fee – charged on samples that are submitted without an electronic ARF (\$10 for the first sample PLUS \$3 per additional sample in the submission)	9.09	10.00			
Sample Washing – charged on samples that are submitted and need to be washed prior to preparation (per sample). Only on request.	20.00	22.20			

Sample Submission

- 1. Complete a sample submission, including payment, online via AgPro Go to: https://au.agpro.technology
- Ensure your sample has been collected in accordance with the sample requirements including containing the correct weight or volume of sample materials.
- 3. Package your sample according to the sampling guidelines. ALL samples must have the ARF reference code written clearly on them.
- 4. Microbial testing samples must be sent within 24 hours of collection and packaged to ensure temperature control. Send sensitive samples at the start of the week to avoid delays at postal or courier sorting facilities.
- 5. Send samples via

Australia Post:

Locked Bag 3901

Bundaberg, QLD 4670

Courier:

Unit 1 / 5 Scotland St Bundaberg East, QLD 4670

Samples can also be dropped in our contactless submission box at Unit 1 / 5 Scotland, Bundaberg East.

Testing Schedule

Result timeframes						
Analysis type	Samples to be received by:	Results expected by:				
Soil	4:00 pm Tuesday or Friday	COB Friday and Wednesday				
QuickSoil	9:00 am Monday, Wednesday or Friday	COB Tuesday, Thursday and Monday				
Sap	9:00 am Monday, Wednesday or Friday	COB Tuesday, Thursday and Monday				
Dry Tissue	12:00 pm Monday	COB following Monday				
Produce	9:00 am Monday, Wednesday or Friday	COB Tuesday, Thursday and Monday				
Water – Nutrient tests	9:00 am Monday, Wednesday or Friday	COB Tuesday, Thursday and Monday				
Microbial Water	12:00 pm Thursday	Within 10 working days from receipt				
Microbial Produce	12:00 pm Thursday	Within 10 working days from receipt				
Chemical Residue	12:00 pm Friday	Within 10 working days from receipt				
Heavy Metal	12:00 pm Friday	Within 10 working days from receipt				

Please note: Samples which do not meet our sampling requirements or which are received in poor condition or inappropriately packaged, may cause delays in testing or may not be acceptable for testing. While we do everything we can to ensure accurate and timely results, we highly recommend checking our Sampling Guides to ensure the best chance of success with your samples.

www.novumlifeciences.com.au/sampling



Need advice?

Our independent agronomists can guide you on making adjustments to improve your soil, plant and water health to achieve optimum results.



Looking for proven biological products to improve your soil quality and increase your crop production?

Biofilm Biological Crop Solutions are Australian made for Australian conditions.