



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

## Service Guide & Price List

Prices valid from  
June 2021

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# 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)	<b>Organo-phosphates, Organo-chlorides</b> (67 compounds in total) and <b>Total Heavy Metals:</b> Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc	\$436.36	\$480.00

Save \$90

## COMMERCIAL PRODUCE TESTING PACKAGES

Test Code	Package Name	Analysis	Price (ex. GST)	Price (Incl. GST)
C16	Freshcare Produce	<b>Total Heavy Metals:</b> Lead, Cadmium; <b>Organo-phosphates, Organo-chlorides</b> (MRL - 64 compounds in total) and <b>F3 Microbial Tests:</b> E. coli, Thermotolerant coliforms, Total Coliforms, Salmonella spp. & Listeria spp.	\$577.27	\$635.00
C17	Freshcare + Supermarket Produce	<b>Total Heavy Metals:</b> Lead, Cadmium; <b>Multi-residue Screen (OC + OP + Herbicides)</b> (MRL - 100 compounds in total) and <b>F4 Microbial Tests:</b> E. coli, Thermotolerant coliforms, Total Coliforms, Plate Count, Salmonella spp. & Listeria spp.	\$695.45	\$765.00

Save \$90

Save \$90

## WATER SAFETY TESTING PACKAGES

Test Code	Package Name	Analysis	Price (ex. GST)	Price (Incl. GST)
C18	Environmental Water	<b>Organo-phosphates, Organo-chlorides</b> (67 compounds in total) and <b>Total Heavy Metals:</b> Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc <b>PLUS water interpretation report.</b>	\$418.18	\$460.00
C19	Basic Household Water	<b>Water nutrients</b> Including: pH, EC, Sodium, Chloride, Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sulfate, Copper, Zinc, Boron, Manganese, Iron, Total Alkalinity, LSI and <b>Microbial Water Indicators:</b> E. coli, Thermotolerant Coliforms, Total Coliforms, Heterotrophic Plate Count (22°C & 36°C) <b>PLUS water interpretation report.</b>	\$300.00	\$330.00
C20	Complete Household Water	<b>Organo-phosphates, Organo-chlorides:</b> 67 compounds in total <b>Total Heavy Metals:</b> Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Manganese, Molybdenum, Nickel, Lead, Mercury, Selenium, Silver, Tin, Zinc <b>Water nutrients</b> Including: pH, EC, Sodium, Chloride, Nitrate, Phosphorus, Potassium, Calcium, Magnesium, Sulfate, Copper, Zinc, Boron, Manganese, Iron, Total Alkalinity, LSI and <b>Microbial Water Indicators:</b> E. coli, Thermotolerant Coliforms, Total Coliforms, Heterotrophic Plate Count (22°C & 36°C) <b>PLUS water interpretation report.</b>	\$681.82	\$750.00

Save \$52

Save \$28

Save \$85

# Combination Packages

## QUICKSOIL & SAP COMBO PACKAGES

TEST CODES	C1	C2	C5	C6	C9	C10
S6	✓	✓		✓	✓	
S7			✓			✓
P1	✓					
P2		✓	✓			
P3				✓		
P9					✓	✓
Price (excl. GST)	112.73	130.91	154.55	161.82	148.18	180.00
Price (incl. GST)	<b>124.00</b>	<b>144.00</b>	<b>170.00</b>	<b>178.00</b>	<b>163.00</b>	<b>198.00</b>
	Save \$15	Save \$14	Save \$15	Save \$12	Save \$14	Save \$7

## 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)	181.82	216.36
Price (incl. GST)	<b>200.00</b>	<b>238.00</b>
	Save \$20	Save \$13

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

Save a further \$16

# Soil Testing

## SOIL ANALYSIS

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 <sub>2</sub> )				✓	✓		
Aluminium (if pH is < 5.5)					✓		
Solvita Respiration Test (Microbial Population Indicator)					✓		
Silicon (BSES + CaCl <sub>2</sub> )					✓	✓	✓
Potassium (Nitric)						✓	✓
Calculations: Ca Cat %, K Cat %, Mg Cat %, ESP, CEC	✓	✓	✓	✓	✓	✓	✓
Optimal Levels and Traffic Light Charts on Report	✓	✓	✓	✓	✓	✓	✓
Price (excl. GST)	63.64	80.00	103.50	126.36	<b>169.09</b>	114.545	136.36
Price (incl. GST)	70.00	88.00	113.85	139.00	<b>186.00</b>	126.00	150.00
Minimum sample volume required	500g	500g	500g	500g	<b>500g</b>	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](http://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 (KCl)	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)	9I2	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 <sub>2</sub> )	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 <sub>2</sub> )	CaCl <sub>2</sub>	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	159.09	175.00
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
<b>CS1: Carbon Suite</b> – Organic Carbon, Total Carbon, Labile Carbon, Total Nitrogen	6A1, 6B2, 6E1, 7A5	200g	81.81	90.00
<b>Soil CMP: Compost / Manure / Peat / Potting Mix:</b> 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

Save  
with a  
Combo  
Package  
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## QUICKSOIL ANALYSIS (Soil solution test)

Nutrient	S6	S7	
pH	✓	✓	
Electrical Conductivity (EC)	✓	✓	
Nitrate-N	✓	✓	
K, Ca, Mg, Na	✓	✓	
Chloride (Cl)	✓	✓	
Ammonium-N (NH <sub>4</sub> -N)		✓	
Optimal Levels and Traffic Light Charts on Reports	✓	✓	
	Price (excl. GST)	70.45	95.45
	<b>Price (incl. GST)</b>	<b>77.50</b>	<b>105.00</b>
Minimum sample volume required	300g	300g	

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**.

## 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)	540.91	486.36	422.73
	<b>Price (incl. GST)</b>	<b>595.00</b>	<b>535.00</b>	<b>465.00</b>
Form B – Soil Assessment Report	Price (excl. GST)	136.36	136.36	136.36
	<b>Price (incl. GST)</b>	<b>150.00</b>	<b>150.00</b>	<b>150.00</b>
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](mailto:techservices@novumlifesciences.com.au) for project pricing.

# Plant Testing

Save  
with a  
Combo  
Package  
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## SAP ANALYSIS

Nutrient	P1	P2	P3*	P9
Nitrate (NO <sub>3</sub> ) (No NO <sub>3</sub> available on apple or teak samples)	✓	✓	✓	✓
Phosphate (PO <sub>4</sub> -P)	✓	✓	✓	✓
Potassium (K)	✓	✓	✓	✓
Calcium (Ca)	✓	✓	✓	✓
Magnesium (Mg)	✓	✓	✓	✓
Zinc (Zn)	✓	✓	✓	✓
Sulfate (SO <sub>4</sub> -S)		✓	✓	✓
Copper (Cu)		✓	✓	✓
Manganese (Mn)		✓	✓	✓
Iron (Fe)		✓	✓	✓
Boron (B)		✓	✓	✓
Sodium (Na)			✓	✓
Chloride (Cl)			✓	✓
Silicon (Si)			✓	
pH			✓	
Brix			✓	
Electrical Conductivity (EC)			✓	
Optimal levels and Traffic Light Charts on Report	✓	✓	✓	✓
Price (excl. GST)	57.73	74.09	103.50	90.91
Price (incl. GST)	63.50	81.50	113.85	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](http://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](http://www.novumlifesciences.com.au/P3exclusions)

You can **save** with our Peak Harvest Monitoring Program.  
Find out more at [www.novumlifesciences.com.au/peakharvest](http://www.novumlifesciences.com.au/peakharvest)



# Plant Testing

Save  
with a  
Combo  
Package  
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## DRY TISSUE ANALYSIS

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

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](http://www.novumlifesciences.com.au/sampling)

## PRODUCE ANALYSIS

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

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](http://www.novumlifesciences.com.au/sampling)

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)	68.18	68.18
	<b>Price (incl. GST)</b>	<b>75.00</b>	<b>75.00</b>
		68.18	68.18
		<b>75.00</b>	<b>75.00</b>

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

# 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)	63.64	45.45	75.45
Price (incl. GST)	<b>70.00</b>	<b>50.00</b>	<b>83.00</b>
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)	<b>\$175.00</b>	<b>\$225.00</b>	<b>\$90.00</b>	<b>\$155.00</b>	<b>\$90.00</b>

# 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

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

# 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	<b>66.00</b>
Water interpretation – Comments regarding suitability / water quality	30.00	<b>33.00</b>
Hydroponic recipe – development of a recipe of nutritional inputs for hydroponic systems	150.00	<b>165.00</b>
Sugarcane Recommendation – Based on Six Easy Steps	34.54	<b>38.00</b>
Crop Fertiliser Plan – includes the fertiliser development and plans per block	280.00	<b>308.00</b>
Talk to an agronomist – 15 minutes	30.00	<b>33.00</b>
Sample collection per hour	131.82	<b>145.00</b>
Consulting/ Monitoring by agronomist (per hour) including travel	131.82	<b>145.00</b>
Travel – return travel from Hortus office (per hour)	90.91	<b>100.00</b>

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

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)
<b>Sample Preparation</b> – charged on samples outside the regular testing suites	15.91	<b>17.50</b>
<b>Sample Handling</b> – charged on samples that require extended preparation (e.g. > 1 hr prep. Example Rocket, Lychee, Herbs)	54.55	<b>60.00</b>
<b>Data Entry Fee</b> – 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	<b>10.00</b>
<b>Sample Washing</b> – charged on samples that are submitted and need to be washed prior to preparation (per sample). Only on request.	20.00	<b>22.20</b>

## Sample Submission

1. Complete a sample submission, including payment, online via AgPro  
Go to: <https://au.agpro.technology>
2. 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 or Thursday	COB following Tuesday and Thursday
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.novumlifesciences.com.au/sampling](http://www.novumlifesciences.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.