



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



Service Guide & Price List

Prices valid from
March 1st 2024

Version 6

Soil Testing

SOIL ANALYSIS						
Nutrient	Soil 1	Soil 2	Soil 3	Soil 4	Sugar 1	Sugar 2
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		✓	✓	✓	✓	✓
Cu, Fe, Mn, Zn (DTPA)		✓	✓	✓	✓	✓
Boron (hot CaCl ₂)		✓	✓	✓		
Ammonium-N			✓	✓		✓
Aluminium (if pH is < 5.5)			✓	✓		
Silicon (BSES + CaCl ₂)			✓	✓	✓	✓
Potassium (Nitric)					✓	✓
Total elements: S, P, K, Ca, Mg, Cu, Zn, Mn, Fe, B, Na, Mo, Co, Se				✓		
Calculations: Ca Cat %, K Cat %, Mg Cat %, ESP, CEC Optimal Levels and Traffic Light Charts on report	✓	✓	✓	✓	✓	✓
Price (excl. GST)	71.59	118.37	166.09	213.82	125.04	147.96
Price (incl. GST)	78.75	130.60	182.70	235.20	137.54	162.76
<p>Minimum sample volume 500g for all SOIL samples</p> <p>Expected TAT for all SOIL samples is 10 business days from receipt.</p> <p>Samples received Friday should add 1 business day.</p> <p>For fastest turnaround, we recommend sending direct to Symbio Brisbane</p>						

Register and submit your samples for free at au.agpro.technology
 Contact our Customer Service team at sales@symbiolabs.com.au or 1300 703 166

Soil Testing

OTHER SOIL TEST PACKAGES

Package	Volume	Price ex GST	Price inc GST
CMP - Compost / Manure / Potting Mix pH, EC, Nitrate, OC, Colwell-P, K, Ca, Mg, Na, Cl, OM, CEC (No optimal levels available)	500g	118.37	130.21
CRS – Chemical Residue Screen / MRL (67 compounds)	500g	300.68	330.75
HMS – Heavy Metals screen (17 elements)	500g	262.73	289.00
TS1 - Total Elements S, P, K, Ca, Mg, Cu, Zn, Mn, Fe, B, Na, Mo, Co, Se	500g	57.28	63.01
SM1 – Soil Microbial Total bacteria count, Total fungal count, Total yeast count, Total Active Population Count, F:B ratio	500g	276.82	304.50



Are you looking for more tests?

Our parent laboratory **Symbio Laboratories** has an extensive range of nutrient, environmental, chemistry and microbial testing available. We can customise and quote your test packages to your specific needs.

Please contact our customer service team in Brisbane at sales@symbiolabs.com.au or call **1300 703 166**.

Irrigation Water Test

IRRIGATION WATER ANALYSIS

Nutrient	IW1	Hydro Water (Drip & Drain samples only)
Sulfur, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, Manganese, Iron, Boron, Sodium, Molybdenum	✓	✓
Nitrate-N, Chloride	✓	✓
pH, Electrical Conductivity	✓	✓
Ammonium-N		✓
Calculations: Sodium Adsorption Ratio, Total Dissolved Solids, Hardness	✓	✓
Optimal Levels and Traffic Light Charts on Reports	✓	✓
Price (excl. GST)	62.04	84.00
Price (incl. GST)	68.24	92.40
Minimum sample volume required	500mL	500mL

Expected TAT for WATER (non-microbial) samples is **5 business days** from receipt.
Samples received Friday should add 1 business day.
For fastest turnaround, we recommend sending direct to Symbio Brisbane.

Hortus can provide your sample consumables

Do you need water sample bottles or soil/plant tissue sampling bags? Hortus can provide these free-of-charge to our customers. Please drop into our office at **110 Enterprise Street, Svensson Heights QLD 4670** and ask!

The Hortus office is a shared space with Toll / Team GE. Our normal office hours are 8:00am to 4:00pm Monday to Friday.

Water sample bottles – Sterile vs non-sterile?

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

When you collect your sample bottles, please ask for either sterile for microbial water samples, or non-Sterile for all other types.

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Potable Water Test

POTABLE WATER ANALYSIS

Nutrient	PW1	PW2
Sulfur, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, Manganese, Iron, Boron, Sodium, Molybdenum	✓	✓
Nitrate-N, Chloride	✓	✓
pH, Electrical Conductivity	✓	✓
Cobalt, Selenium	✓	✓
Alkalinity		✓
Langeleir Saturation Index (LSI)		✓
Calculations: Sodium Adsorption Ratio, Total Dissolved Solids, Hardness	✓	✓
Optimal Levels and Traffic Light Charts on Reports	✓	✓
	Price (excl. GST)	99.75
	Price (incl. GST)	109.72
		137.46
		151.21
Minimum sample volume required	500mL	500mL

ADDITIONAL WATER TESTS

CRW – Chemical Residue Screen (MRL) 67 compounds in total	300.68	330.75
HMW – Heavy Metal Screen – 17 elements	171.82	189.00

Expected TAT for WATER (non-microbial) samples is **5 business days** from receipt.

Samples received Friday should add 1 business day.

For fastest turnaround, we recommend sending direct to Symbio Brisbane.

Microbial Testing

MICROBIAL WATER

ORGANISM	MA1	MA2	MA3	MA4	MA5
E. Coli	✓	✓	✓	✓	
Thermotolerant (faecal) coliforms	✓	✓			
Total Coliforms	✓	✓			
Plate Count	✓	✓		✓	
Salmonella spp.		✓			
Listeria spp.		✓			
Yeast & Mould					✓
Price (ex GST)	171.82	219.54	90.68	152.72	90.68
Price (inc GST)	189.00	241.49	99.75	167.99	99.75

IMPORTANT: Microbial water samples should be provided in sterile bottle and delivered same-day. If sending via post or courier, please freeze samples overnight and package in cooler box.

Expected TAT for MICRO WATER samples is **3 business days** from receipt.

Samples received Friday should add 1 business day.

For fastest turnaround, we recommend sending direct to Symbio Brisbane.

MICROBIAL 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 spp.	✓	✓	✓	✓	✓								
Listeria spp.		✓	✓	✓			✓						
Yeast & Mould										✓			
Listeria monocytogenes						✓							
Enterobacteriaceae													✓
Price (ex. GST)	\$152.72	\$219.54	\$267.28	\$305.46	\$90.68	\$171.82	\$95.46	\$95.46	\$61.09	\$78.28	\$95.46	\$72.54	\$72.54
Price (incl. GST)	\$167.99	\$241.49	\$293.96	\$336.01	\$99.75	\$189.00	\$105.41	\$105.41	\$67.20	\$86.11	\$105.01	\$79.79	\$79.79

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Plant Testing

DRY TISSUE ANALYSIS Includes preparation and extraction costs

Nutrient	DT1	DT2
Total Nitrogen	✓	✓
Sulfur, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, Manganese, Iron, Boron, Sodium, Molybdenum	✓	✓
Nitrate-N, Chloride		✓
Optimal Levels and Traffic Light Charts on Reports	✓	✓
Price (excl. GST)	72.54	83.54
Price (incl. GST)	79.79	91.89

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

SAP ANALYSIS Includes preparation and extraction costs

Nutrient	Sap 2	Sap 4
Sulfur, Phosphorus, Potassium, Calcium, Magnesium, Copper, Zinc, Manganese, Iron, Boron, Sodium	✓	✓
Nitrate, Chloride	✓	✓
Ammonium, pH, Electrical Conductivity, Brix		✓
Optimal levels and Traffic Light Charts on Report	✓	✓
Price (excl. GST)	83.52	110.25
Price (incl. GST)	91.87	121.28

Sample volumes required for sap testing vary according to crop type and testing performed.

Sap 4 tests require approx. double the sample volume than Sap 2 tests. Sap 4 is not available for all crops.

Please refer to our Sap Sampling Manual for details by crop:

www.novumlifesciences.com.au/hortus-analytical/sap-testing/

Expected TAT for DRY TISSUE and SAP samples is **7 business days** from receipt.

Samples received Friday should add 1 business day.

For fastest turnaround, we recommend sending direct to Symbio Brisbane.

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Produce Testing

PRODUCE TESTS

Nutrient	Price (excl. GST)	Price (incl. GST)
CRP – Chemical Residue Screen (MRL) – 480 compounds in total	300.93	331.02
HMP - Heavy Metal Test – Lead & Cadmium only	147.96	162.76
F1 – Microbial Test – <i>E.coli</i> and <i>Salmonella</i>	152.72	167.99
F2 – Microbial Test – <i>E.coli</i> , <i>Salmonella</i> & <i>Listeria</i>	219.54	241.49
F3 – Microbial test – <i>E.coli</i> , <i>Salmonella</i> , <i>Listeria</i> , Total Coliforms & Thermotolerant Coliforms	267.28	294.01
F4 – Microbial Test - <i>E.coli</i> , <i>Salmonella</i> , <i>Listeria</i> , Total Coliforms, Thermotolerant Coliforms & Plate Count	305.46	336.01

1kg produce is required for all chemical residue, heavy metal and microbial testing.
Expected TAT is **5 business days** for CRP/HMP and **3 business days** for microbial.
For fastest turnaround, we recommend sending direct to Symbio Brisbane.

Livestock Testing

LIVESTOCK SOIL MINERAL ANALYSIS

TEST SUITE	DESCRIPTION	PRICE (inc GST)
Soil 1 Soil 2 Soil 3 Soil 4	A range of mineral analysis that can include: pH, E.C., Ammonium, Nitrate, Phosphorus, PBI, Calcium, Magnesium, Sodium, Potassium, Zinc, Copper, Iron, Manganese, Sulfur, Chloride, Boron, Organic Carbon, Organic Matter, Silicon (BSES + CaCl ₂), Solvita Respiration Test, Total: Selenium, Cobalt. Molybdenum, Sulfur, Phosphorus, Potassium, Calcium, Magnesium, Iron, Boron, Sodium	From: \$78.75 to \$235.20

LIVESTOCK WATER MINERAL ANALYSIS

TEST SUITE	DESCRIPTION	PRICE (inc GST)
SW1	pH, E.C., Nitrate-N, Phosphorus, Calcium, Magnesium, Sodium, Potassium, Zinc, Copper, Iron, Manganese, Sulfur, Chloride, Boron, TDS, Molybdenum, Selenium, Cobalt	\$114.44

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Other Services

ADDITIONAL SERVICES

Service	Price ex GST	Price inc GST
Complete soil fertiliser recommendation - including Total element requirement, product selection and rates	63.00	69.30
Water interpretation – Comments regarding suitability / water quality	31.50	34.65
Hydroponic recipe – development of a recipe of nutritional inputs for hydroponic systems	157.50	173.25
Sugarcane Recommendation – Six Easy Steps	36.28	39.91

SAMPLE SUBMISSION QUICK GUIDE

Step 1: Submit and (optionally) pay for your sample online via AgPro.
Go to **au.agpro.technology** to register your free account, then **Submit A New Sample**

Step 2: AgPro will create a unique ARN (web reference) for each sample. You must clearly label your samples with this ARN. You should also print and attach the Chain of Custody.

Step 3: Ensure your sample has been collected in accordance with the sample requirements including the required weight or volume of sample materials.

Step 4: For fastest turnaround, we recommend sending your Hortus samples directly to our parent lab Symbio Laboratories (Brisbane):

Australia Post or Courier

Symbio Laboratories
52 Brandl St
Eight Mile Plains QLD 4113

Samples can also be dropped at the Hortus Bundaberg office (shared with Toll / TeamGE):

110 Enterprise Street
Svensson Heights QLD 4670

IMPORTANT: Microbial water samples should be delivered same-day; or post/courier microbial water samples should be frozen and packaged in cooler box.
We recommend sending sensitive samples at the start of the week to avoid delays.