

About Us

MilkTestNZ is the frontline in quality assurance of New Zealand's large dairy industry. Since February 2018, MilkTestNZ tests 100% of New Zealand's dairy companies' raw milk suppliers. With our strategic partner Analytica, MilkTestNZ continues to lead the way in providing solutions to emerging issues in the dairy industry by offering a wide array of tests including minerals and heavy metals, antibiotic identification, DDE and iodine.



Composition Testing

In New Zealand, dairy cow farmers are paid not by the volume of milk produced but by the total solids. Every day, MilkTestNZ tests supplier samples for composition (fat, total solids, protein, lactose) which is used for farmer payment purposes, as well as freezing point and somatic cell count.

Sheep, Deer, & Buffalo Milk testing

Composition testing for sheep, deer, and buffalo milk must be conducted through our reference methods (Table 2). Somatic cell count and freezing point can be tested as normal. Please use the test codes outlined in Table 1 for these tests.

How Samples are Tested – Cow and Goat Milk

Samples are heated and mixed to ensure the sample is homogenous. Samples are tested through the CombiFoss instrument which uses infra-red technology to measure the milk components, and a flow cytometer coupled with a DNA stain to measure the somatic cell count. The CombiFoss is calibrated using data obtained via the reference methods but is only calibrated for cow and goat milk. Please use the test codes outlined in Table 1 when requesting composition tests.

Table 2 - MilkTestNZ Reference Tests

Test Code	Test	Volume Required
251	Fat	10 mL
252	Protein	5 mL
253	Lactose	1 mL
254	Total Solids	3 mL

Turnaround Time

CombiFoss results are available within one day. Reference tests require 5 business days.

Pricing

For pricing information or for a test quote please contact us.

How to Send Samples

Download and include the sample submission form available on our website. For more info visit:

<https://milktest.co.nz/Our-Services/Guidelines-to-Sending-Samples>

Table1 - MilkTestNZ Composition Tests

Test Code	Test	Volume Required
161	Composition (Fat, Protein, Total Solids, Lactose) + SCC and Freezing Point. (Cow and Goat Milk Only)	30 mL
13	Somatic Cell Count only	20 mL
11	Freezing Point only	3 mL
57	Free Fatty Acids (Cow Milk Only)	30 mL
56	Urea (Cow Milk Only)	30 mL



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