



MILK ♦ FORAGE ♦ BIO TESTING

RUMINAL FERMENTATION

IN VITRO BAGGED

(F24B) IN VITRO RUMINAL FERMENTATION, 24-HR, BAGGED \$60.50

24-hr pH change, gas production and graph, 24-hr digestion

- (+B) BIOMASS PRODUCTION[‡] AND IN VITRO RELATIVE PERFORMANCE SCORE (IRP) +\$12
- (+C) CO₂ FRACTION +\$12
- (+V) VFA/AMMONIUM PRODUCTION +\$12
- (+E) FAST/SLOW POOL GRAPHS, KEY TIME POINTS, IN VITRO CALCULATED FEED VALUE (IFV, FOR HAYS ONLY), FAST/SLOW POOL DIGESTION RATES (KD/HR) +\$12

IN VITRO UNBAGGED

(F24U) IN VITRO RUMINAL FERMENTATION, 24-HR, UNBAGGED \$60.50

24-hr pH change, gas production and graph, nutritional percent changes[¥]

(Crude protein[‡], degradable protein, NDF, ADF, starch[†], & crude fat, according to forage or commodity availability on pre/post NIR analysis)

- (+C) CO₂ FRACTION +\$12
- (+V) VFA/AMMONIUM PRODUCTION +\$12
- (+E) FAST/SLOW POOL GRAPHS, KEY TIME POINTS, IN VITRO CALCULATED FEED VALUE (IFV, FOR HAYS ONLY) +\$12

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(F5U) IN VITRO RUMINAL FERMENTATION, 5-HR, UNBAGGED \$60.50

5-hr pH change, gas production and graph, nutritional changes[¥] (See F24U above)

- (+C) CO₂ FRACTION +\$12
- (+V) VFA/AMMONIUM PRODUCTION +\$12

IN SITU

(F7) IN SITU RUMINAL FERMENTATION, 7-HR \$60.50

Particle size as-fed, 7-hr in-cow digestion and nutritional changes[¥] (See F24U above)

COMBINATION PACKAGE

(FIVT) F24+BE, F24U+C, F5U+V, AND F7 ANALYSES ON THE SAME SAMPLE (\$229.50 VALUE) \$187

RECOMMENDATIONS: ALTHOUGH RUN-TO-TUN NORMALIZED RESULTS ARE AVAILABLE IN OUR 24-HR ANALYSIS, RUMINAL FERMENTATION IS IDEAL FOR COMPARING MULTIPLE SAMPLES SIDE-BY-SIDE ON AN INDIVIDUAL RUN.

IN VITRO ANALYSES CAN ALSO BE VALUABLE FOR TESTING VARIATIONS ON A SAMPLE, SUCH AS INGREDIENT SUBSTITUTIONS, SUPPLEMENTS, ENZYMES, OR PRE-TREATMENTS.

MULTIPLE SAMPLE SUBMISSIONS: CLIENTS ALSO RECEIVE A GROUP REPORT AND GROUP GRAPH WHEN SUBMITTING TWO OR MORE SAMPLES FOR THE SAME ANALYSIS ON THE SAME RUN.

[†] For starch digestibility analysis, the 5-hr in vitro unbaggged or 7-hr in situ are preferable to 24-hr.

[‡] Protein digestion on unbaggged analyses reports low due to offsetting microbial protein production (which can be measured directly as an add-on to the 24-hr in vitro bagged). Thus protein digestion is best evaluated in situ.

[¥] Nutritional percent changes and some DM corrections are determined by NIR. NIR costs are covered by GHC Labs, unless you wish to have the original pre-run NIR sample report, which can be ordered separately.