



# TMR-D Analysis Request Form

Please send (1) TMR sample (approx. 1lb.) and (1) fecal sample at the same time.

See sampling instructions below.

TMR-D Analysis includes: *in vivo* OM, NDF, Starch, CP, and Fat Digestibility Measures (using 120 hour iNDF marker), Wet Chemistry TMR Analysis (DM, OM (100-Ash), NDF, Starch, Fat, and CP), and Fecal Analysis - \$126.00

Producer Name:

Representative Name:

Address:

Date:

Bill To:

Sample ID:

Dry Matter Intake:

lbs. per day

What is the TMR formulated for?\* \_\_\_\_\_ % Moisture \_\_\_\_\_ % Protein \_\_\_\_\_ %NDF \_\_\_\_\_ %Starch \_\_\_\_\_ %Fat

What is the pen's milk production level?\*\*\* \_\_\_\_\_ Milk \_\_\_\_\_ %Fat \_\_\_\_\_ %Protein

\*Please note- If the expected TMR nutrient contents are provided, we will analyze the sample by NIR for quality assurance *prior* to beginning wet chemistry (to check sampling accuracy). If no expected nutrient contents are provided, we will proceed with wet chemistry analysis.

\*\*Optional- If this information is provided, we will confidentially analyze this data with university collaboration.

## High-Producing Cow Pen:

### TMR Sampling Instructions:

1. Take a minimum of 5 sub-samples spread out through the entire length of the feed bunk. Use a hand scoop technique to avoid losing fines. (Each sub-sample = 1 handful).
2. Composite all sub-samples; thoroughly mix in a pail
3. Use a mixing and quartering technique on a smooth surface to get a sample that is approximately 1 pound.

### Manure Sampling Instructions:

1. Take a minimum of 10 sub-samples from high cow manure piles. Sample from representative piles (loose, medium, and firm; each ½ cup in size). Avoid contamination of sand, bedding, straw, etc.
2. Thoroughly blend all sub-samples in a clean pail and fill sample jar 2/3 full. Please do not use glass jars.
3. Seal with duct tape and send to lab. DO NOT FREEZE! Only refrigerate if sample will not be sent to lab immediately.

Visit [www.rockriverlab.com](http://www.rockriverlab.com) for a video demonstration of these sampling techniques.