

Protocol to Sieve Manure in a Uniform Way



1 Prepare:

- Prepare 0.5 L manure from one or more cows, depending on your target and feeding system.
 - If sampling from multiple animals gather the same volume of manure from each animal or pile.
- Prepare 8 L of water in a bucket
- Prepare 12 L in another bucket



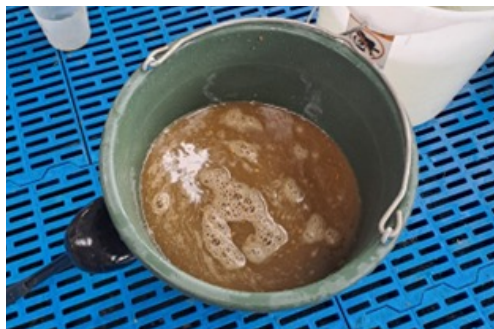
4 Sieve:

- Flush manure sample on sieve with 12 L water in second bucket. You can also use the sample bucket for this process.
- Be careful not to spill the manure. If needed, use the 0.5 L sample bucket to spread additional water over the sieve tower. This sometimes needs extra swirling.



2 Mix:

- Vigorously mix 0.5 L manure in the 8 L water bucket. Use a stick or your manure spoon for stirring.
- Your sample pot and spoon should be relatively clean when sufficiently mixed.



5 Evaluate:

- Place the sieves beside one another, observe and take a photo.
- Evaluate presence of mucin casts and starch particles, check the volume of material and particle length.



3 Screen:

- Screen manure solution in 8 L water through sieve using whole surface of sieve.
- Separator may need swirled to improve processing.
- Describe mucin casts if they are apparent.



6 Observe:

- Gather the sieve contents beside one other, observe and take a photo.
- Evaluate volume and weight after squeezing the moisture out.

