

MILK REPLACER PREPARATION

1. PURPOSE

To ensure the consistent preparation of milk replacer.

2. RESPONSIBILITY

All permanent, casual and student staff feeding calves.

3. MATERIALS

- 3.1 Milk replacer (MR) (blue plastic bin with a green lid) with pre-measured cup
- 3.2 Thermometer
- 3.3 Tall blue bin
- 3.4 Electric drill and mixing bit
- 3.5 Extension
- 3.6 Jug

4. PROCEDURES

- 4.1 The preparation ratio is 1 pre-measured cup of Milk Replacer (MR) to 2 Litres of water at 37.8° C
- 4.2 Refer to the Calf Barn Plan located on the blue door in necropsy room to determine quantity of milk replacer to prepare.
- 4.3 Wash hands.
- 4.4 Place all the necessary feeding material (e.g., nipple pails, gang feeders, bottles, etc.) and the tall blue bin in the cart.
- 4.5 Add the total calculated MR powder to the water and mix until smooth ensuring to dissolve any sediment.
- 4.6 Check with your clean hands to ensure there are not any lumps. Continue to mix if necessary.
- 4.7 Add cold water gradually and mix regularly until a temperature of F 36.6 - 37.8° C is attained.
- 4.8 Regularly monitor the temperature using a THERMOMETER.
- 4.9 Refer to the Feeding Chart (Fig.1) for the quantity of MR to be fed and the method of feeding (e.g., bottle, nipple pail, gang feeder).

Pen #6 Right- weaned calves	MR Totals AM = 19.5 MR PM = 10.5 MR	
Pen #5 Right- weaned calves	Pen #4 Left - weaned calves	
Pen #4 Right 9 MR (AM only) G.F.	Pen #3 Left 6 M New Blue G.F.	Brown Text = M = Milk Red Text = MR = Milk Replacer = CP = Colostrum Powder G.F. = Gang Feeder P. T. = Peach Teat Feeder
Pen #3 Right 6 MR Blue G.F.	Pen #3 Left 1.5 MR + 35g CP Bottle	
Pen #2 Right 3 MR P. T.	Pen #1 Left- no calves	
Pen #1 Right- No calf	No-Pen	

Figure 1: Calf feeding chart example.

Document Status and Revision History

DATE	PREVIOUS VERSION	NEW VERSION
11-Mar-2009	Effective Date	Version 01
7-Nov-2017	Revision# 02	Version 02: Mac Campus FACC approved
1-June-2023	3 rd year review	Version 03: Mac Campus FACC approved