

DEFEND

Day 1



Do you struggle with the quality of your on-farm maternal colostrum?

SCCL has designed a simple, science-backed protocol to maximize the potential of your on-farm colostrum. Enrichment is adding colostrum powder to maternal colostrum improves the quality quickly and safely.

How to Enrich

STEP 1: Use a refractometer to test the Brix % of your batch maternal colostrum.

STEP 2: Follow the chart to determine the quality compared to your goal quality level.

STEP 3: Use the colostrum calculator app to calculate the amount of powder to add to the maternal colostrum sample.

STEP 4: Feed within 2 hours after birth.

Calves should receive 300g IgG over 2 feedings in the first 24 hours of life. This can look like 3-4L of minimum 25% Brix colostrum (150-300 g IgG/L) for a first feeding within 2 hours of birth and a second feeding of 2L of colostrum containing 100-150 g IgG/L.

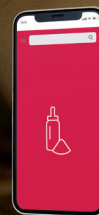
Day 1 Brix % Recommendations

Maternal Colostrum Brix %	Colostrum Concentration	Recommendation*
< 20%	Low	Replace with powder for 1 st feeding
20-24%	Moderate	ENRICH
> 25%	Excellent	Feed as is

*For second feeding, enrich to 21% or above. Consult with your animal health specialists.

Simple Rule of Thumb:

- ◆ Add 15g of powder to increase 1L of colostrum by 1% Brix
- ◆ When in doubt? Use the app or enrichment chart!



Download the Colostrum Calculator app






Set Target for desired colostrum Brix % (1L)

Brix	22%	23%	24%	25%	26%	27%	28%	29%	30%
17%	75g	90g	105g	120g	135g	150g	165g	180g	195g
18%	60g	75g	90g	105g	120g	135g	150g	165g	180g
19%	45g	60g	75g	90g	105g	120g	135g	150g	165g
20%	30g	45g	60g	75g	90g	105g	120g	135g	150g
21%	15g	30g	45g	60g	75g	90g	105g	120g	135g
22%	0	15g	30g	45g	60g	75g	90g	105g	120g
23%	-	0	15g	30g	45g	60g	75g	90g	105g
24%	-	-	0	15g	30g	45g	60g	75g	90g
25%	-	-	-	0	15g	30g	45g	60g	75g
26%	-	-	-	-	0	15g	30g	45g	60g
27%	-	-	-	-	-	0	15g	30g	45g
28%	-	-	-	-	-	-	0	15g	30g
29%	-	-	-	-	-	-	-	0	15g
30%	-	-	-	-	-	-	-	-	0

Ex. 22% Brix --> 25% Brix = 45 g powder per liter

Benefits of **Enrichment**

Research shows that feeding **22% Brix or higher** promotes successful passive transfer meaning healthier, and more productive calves early in life and beyond

-  **HIGHER** AVERAGE DAILY GAIN
-  **REDUCED** TREATMENT COSTS
-  **EARLIER** AGE AT FIRST CALVING
-  **LOWER** RISK OF MORTALITY
-  **HIGHER MILK PRODUCTION** IN THE FIRST 2 LACTATIONS

Colostrum is more than just antibodies, it contains growth factors, essential fats, amino acids and hormones that support early development and long-term productivity.