



Premium Colostrum

- > Gut Health
- > Immunity Enhancement
- > Sport Performance

Origin ●

PREMIUM COLOSTRUM is the natural pre-milk collected from cows in the first hours after giving birth.

PREMIUM COLOSTRUM is collected in selected farms in France.

Particular emphasis is accorded to traceability & microbiological control.

● Benefits

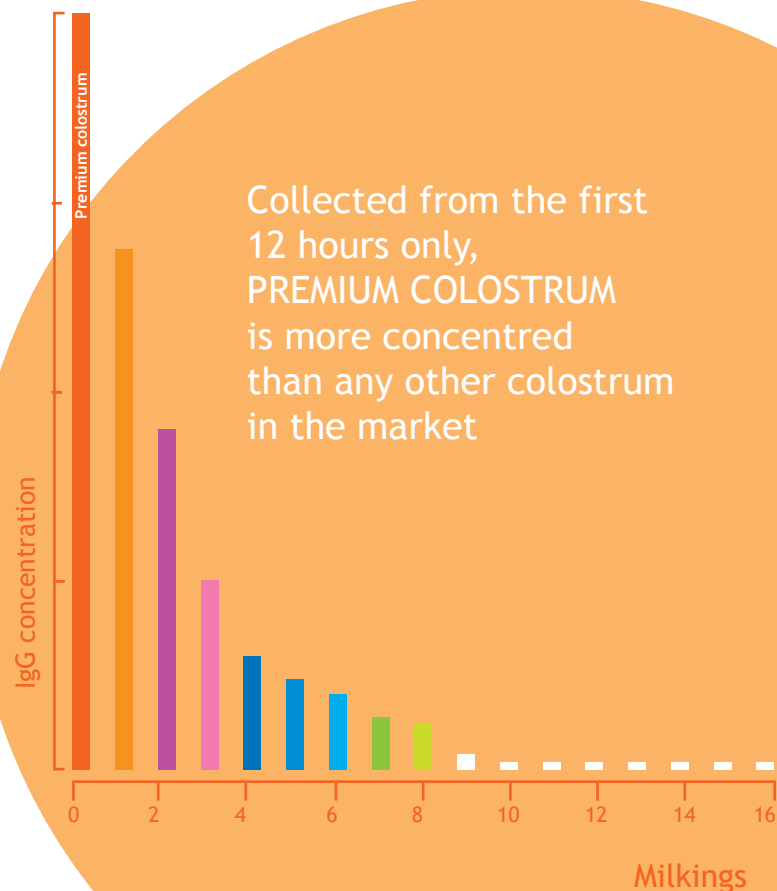
PREMIUM COLOSTRUM provides:

- > Immunostimulating factors, the most abundant of which is the antibody Immunoglobulin G (IgG)
- > Growth factors that provide an anti-microbial effect and activate cell & tissue regeneration
- > Vitamins, minerals & anti-ageing nutrients

● Characteristics

PREMIUM COLOSTRUM is premium quality:

- > The collection during the first 12 hours guarantees its high concentration in IgG and other active compounds
- > Only BIOLOGICALLY ACTIVE IgG content is measured and guaranteed by a specific method
- > Ingredia's controlled process allows the preservation of the best quality of bioactives & delicate compounds - such as IgG - while maintaining a good microbiological quality



From
Source: LEVIEUX,
OLLIER, 1999 (4)



Applications ●

PREMIUM COLOSTRUM can be used in dietary supplements, functional or nutritional food, feed, pet food or pet care. Our different references can be adapted to your specific needs.

● Support

More than a support Ingredia builds real partnerships with its customers and provides a wide range of services to help them throughout the product development process:

- > Technical services: support, customized co-development, regulatory and tariff information, labeling recommendations...
- > Marketing support: positioning advice, original concepts, product launch support...

Typical analysis*

Physical			
Colour	White cream powder		
Taste	Neutral		
Chemical			
Moisture	5.5%		
Fat	< 1%		
Protein	72%		
Active IgG	29%		
Microbiological			
Total plate count	1000/g		
Yeasts and Moulds	<10/g		
Enterobacteriaceae	Abs/g		
Staphylococcus aureus	Abs/g		
E. Coli	Abs/g		
Salmonella	Abs/25g		
Nutritional/bioactives			
Energy value per 100g	357 kcal (1517 kJ)	IGF1**	0.1-0.7 mg/100g
		TGF-β2**	0.06-0.46 mg/100g
Amino Acids in g per 100g proteins		Lactoferrin**	0.61 g/100g
Alanine	2.9	Lactoperoxidase**	9.1 mg/100g
Arginine	1.5	Lysozym**	0.16 mg/100g
Aspartic acid+asparagine	9.5		
Cysteine	1.9	Vitamin A**	5 µg/g fat
Glutamic acid+glutamine	20.1	Vitamin B12**	23 µg/100g
Glycine	2	Choline**	0.3 mg/100g
Histidine EAA	1	Folic acid**	3.8 µg/100g
Isoleucine BCAA-EAA	4.4	Riboflavin**	23 µg/100g
Leucine BCAA-EAA	10	Thiamin**	0.28 mg/100g
Lysine EAA	4.5	Biotin**	13 µg/100g
Methionine EAA	2.2	Nicotinic acid**	0.46 mg/100g
Phenylalanine EAA	6.1	Ascorbic acid**	12 µg/100g
Proline	3.6	Pantothenic acid**	0.8 mg/100g
Serine	7.2		
Threonine EAA	7.3	Calcium	1.2%
Tryptophan EAA	0.9	Sodium	0.3%
Tyrosine	7.9	Phosphorus	0.6%
Valine BCAA-EAA	6.9	Magnesium	0.2%
		Potassium	0.8%

* All values are indicative and are not guaranteed (see data sheet)

** Bibliographical values

BCAA: Branched Chain Amino Acid

EAA: Essential Amino Acid