

Calf rearing with jbs



jbs portfolio of products for calves

mymom® start 4	calf paste for primary care
mymom® profimix 6	supplement drink (dissolve in water or milk)
mymom® protect 8	paste stabilizing the digestion
Feeding trial & field reports 10	mymom® profimix, mymom® start, mymom® protect
mymom® milk replacer 12	breeding concept, high-quality raw materials, spray cooling
mymom® pur 18	premium milk replacer
mymom® pur 55 20	high-quality milk replacer
mymom® click feeding bucket and calf feeder bottle 23	with a simple 1-click system
mymom® 50/50 24	supplement to whole milk
Calf blanket 28	PU foam layer keeps extra warm
mymom® müsli plus 30	high-quality calf muesli
orgacell sc® 5/10 32	supplementary feed with live and inactive yeast
Assortment 34	a calf's perfect start into a prosperous life

Calf rearing with jbs – as calves are the future dairy cows

We at **jbs** (joachim behrens scheessel gmbh) are now in our 4th generation of advising and selling agricultural supplies.

In the search for innovations, several specialist areas have been formed, including "calf specialties". Here we deal with selected products around the calf and its rearing.

Calf rearing continues to grow in importance for forward-looking dairy farms. Science and practical experience has shown the importance of good management in feeding and rearing the "little ones", as this provides the basis for high-performing, healthy dairy cows and bulls.

From calving to weaning, we offer a selection of calf products that we stand behind! Together with our certified producers, we have developed our own innovative milk-based products. You will also find a unique calf muesli and practical products to make daily routines easier.

Do you have any questions?

Feel free to call us!

Your team from jbs





mymom® start

calf paste for primary care

- immunoglobulins derived from IBR free colostrum
- bridges the calf's immunity gap
- contains highly effective probiotics
- supports digestion
- contains readily available micronutrients
- contains essential vitamins



mymom® start is a paste that helps the calf getting a good start in life. Especially weaker calves should definitely be supported with **mymom® start**.

Made with colostrum, it contains important immunoglobulins which, together with the available iron, ensure the formation of a strong immune system.

Probiotics and black cumin oil have a positive effect on digestion.

Components

- highly effective probiotics
- IBR free colostrum
- black cumin oil
- sunflower oil
- carob flour
- essential vitamins
- micronutrients (iron and copper)

Application (oral)

First administration should take place after first milking, and a second dose 12 - 24 hours later.

Use 25 ml per administration, giving a total of 50 ml of paste per calf.

Adjust dosage by means of the dosage ring on the scale of the plunger.

Storage / shelf life

- shelf life: 12 months from date of manufacture, if kept refrigerated
- close tightly after use

Packaging

6 x 50 ml cartridges per box





mymom® profimix

supplement drink
(dissolve in water or milk)

- contains highly effective probiotics
- contains mucilaginous ingredients which have positive effects in the intestines
- readily available energy
- excellent acceptance

mymom® profimix is a supplement for calves based on linseed; it may be used in either water or milk. High quality probiotics offer excellent protection against pathogens while simultaneously stimulating the calves' intestinal tract. mymom® profimix tastes good – so, it's a real treat for your calves. May be given from first week of life onwards.

Feeding

Dissolve 150 g in milk or in 2 l warm water and offer to the calf as needed. Does not replace milk meals! Helps the calf during a change of drink if given 2 days before to 2 days after.

Packaging

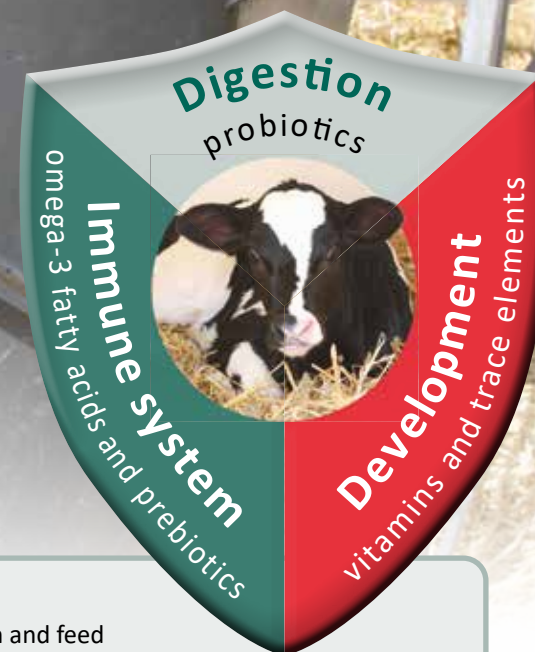
10 kg bucket

Components

whey powder (sweet), lactose, carob flour, wheat starch, maltodextrin, sucrose, sodium bicarbonate, psyllium husks, sodium chloride, potassium chloride, magnesium oxide, calcium carbonate

Storage / shelf life

shelf life: 12 months from date of manufacture, if stored in a cool and dry place, close tightly after use



1. Digestion

Probiotics improve digestion and feed conversion. They balance the intestinal flora and support the calf in stressful situations. The gut is prepared for the digestion of non-lactic food. Probiotics also protect against pathogenic germs.

2. Immune system

The immune system is supported by omega-3 fatty acids, which the calf cannot yet produce itself. They are also important for skin protection. Prebiotics support the gut.

3. Development

For optimal development, the calf needs sufficient essential vitamins and trace elements. Manganese, zinc, copper and cobalt are important components of digestive enzymes and, in combination with selenium and vitamin E, important for the immune system. Iodine supports metabolism and growth. Vitamin D ensures stable bone formation.



mymom® protect

paste stabilizing the digestion

- supports the intestinal health
- normalizes inadequate faeces consistency
- ensures milk intake
- quick effect
- when needed, 1 - 2 applications per calf
- simple application (oral)

At birth, calves have weathered the first major stress of their lives. Still, the first few weeks are critical for many of them, as their immune system is not completely functional yet and the environment keeps plenty of pathogens ready to attack. Increased fluid loss through diarrhoea brings every calf within a short time to its limits. Fast action is required, so we searched for a solution to support the calves.

With **mymom® protect**, you can usually turn the page at the first sign of inadequate faeces consistency combined with mild discomfort.

mymom® protect stabilizes digestion by using extracts of immunostimulatory yeast cell walls. The attachment of the pathogens to the yeast stops them from settling on the intestinal wall. Essential oils support this process.

Fit calves are not only more fun, they also need less work and effort! The more even the calf can develop, the higher the weight gain. Do not stand by and watch as the calf gets weaker, but act on time instead!

mymom® protect supports your calf when the most protection is needed.

Application (oral)

- for calves up to maximum 4 months of age
- 25 ml per animal per day
 1. administration (25 ml) when noticing an insufficient consistency of the faeces
 2. administration (25 ml) 3 days later if required
- use dosing ring to adjust the dosage on the applicator scale

Components

- yeast cell walls
- sodium citrate
- sodium chloride
- essential oils

Storage / shelf life

- close tightly after use
- shelf life: 12 months from date of manufacture, if stored in a cool and dry place

Packaging

6 x 50 ml cartridges per box



Feeding trial

mymom® profimix and mymom® start

There are many possible reasons why calves suffer from diarrhoea early in life. One of them is a pathogen called *Cryptosporidium*. On one of our trial farms, this pathogen caused an increased occurrence of diarrhoea; 20 % of the calves died. As the calves on this farm are reared to restock the herd, such frequent sickness and loss of calves was especially troublesome. Preventive measures used consisted of using Halocur® and a suitable antibiotic along with infusions in case of emergencies. Due to the positive feedback we had received from customers on mymom® profimix, we instigated a trial aimed to take a closer look at the prophylactic use of a combination of mymom® start and mymom® profimix. 24 calves participated in this trial. Before the trial, faecal samples were taken from several calves, one of which was positive for *Cryptosporidium*. The calves were given a dose of mymom® start directly after colostrum-feeding, which was repeated the next day. From the third day on, a daily dose of mymom® profimix was added to their milk ration. mymom® profimix was administered up until the 10th day of life when the calves were switched to milk replacer.



Results

The combination of mymom® start and mymom® profimix had positive effects on the calves' health. All 24 calves in the trial have developed well, there were no losses.

Both products were easily incorporated into the daily routine and were fed without any problems – not least due to the tasty vanilla flavour. There were isolated cases of diarrhoea, in which case the affected calves continued to be fed with mymom® profimix and received a one-time treatment with antibiotics. The calves continued to drink well during that time resulting in a fast recovery. Halocur® was not used over the course of this trial. The farm manager's time was saved, and workload reduced, as the calves required less treatment.

This farm is still using mymom® start and mymom® profimix, as not only are the calves a lot fitter, but the farm manager was finally able to take sundays off again!

Field reports

mymom® start and mymom® profimix

One of our customers used to have problems with diarrhoea in her calves, always from the 4th day on. If diarrhoea occurs in such an early stage, it is in most cases caused by *E. coli*. Our customer bought a six-pack of mymom® start and treated the next calves with this paste on the day of their birth and on the following day. All six calves were

very fit and full of vitality. Slightest problems did occur in a much weaker form – those, however, could easily be handled by administering mymom® profimix, a supplement drink. mymom® start and mymom® profimix have now become an established part of the calf routine.



mymom® protect and mymom® profimix

On a farm with 300 cows, the herd manager discovered a 4-day-old bull calf with very liquid faeces during his inspection. It refused its milk meal.

With a single administration of mymom® protect, the little bull got back on track and drank 150 g of mymom® profimix dissolved in 2 litres of water, as well as a full milk meal.

Faeces consistency improved, the calf recovered. In this case, a second possible administration of mymom® protect wasn't even necessary.

By using mymom® protect and mymom® profimix at the right time, the calf could be put back on track without a long treatment and with little care effort.

mymom® – a special rearing concept

Our manufacturer has been producing particularly high-quality milk replacers for over 60 years. This long-standing know-how combined with outstanding raw materials and the patented manufacturing process result in premium products that meet the high demands of calves.

Optimal calf supply with mymom®

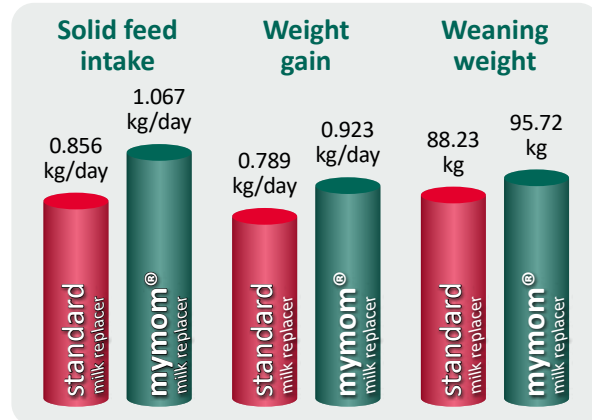
- maximise the genetic potential
- optimal growth
- best digestibility
- increases solid feed intake
- increases weaning weight
- fit calves

*Suitable for
all common
feeding methods*



Optimal supply with mymom® milk replacer

In a feeding trial, milk replacers were used from identical starting materials that had been produced in different processes: A standard product (spray drying) and the mymom® milk replacer (spray cooling). Water and concentrate were freely available to all calves.



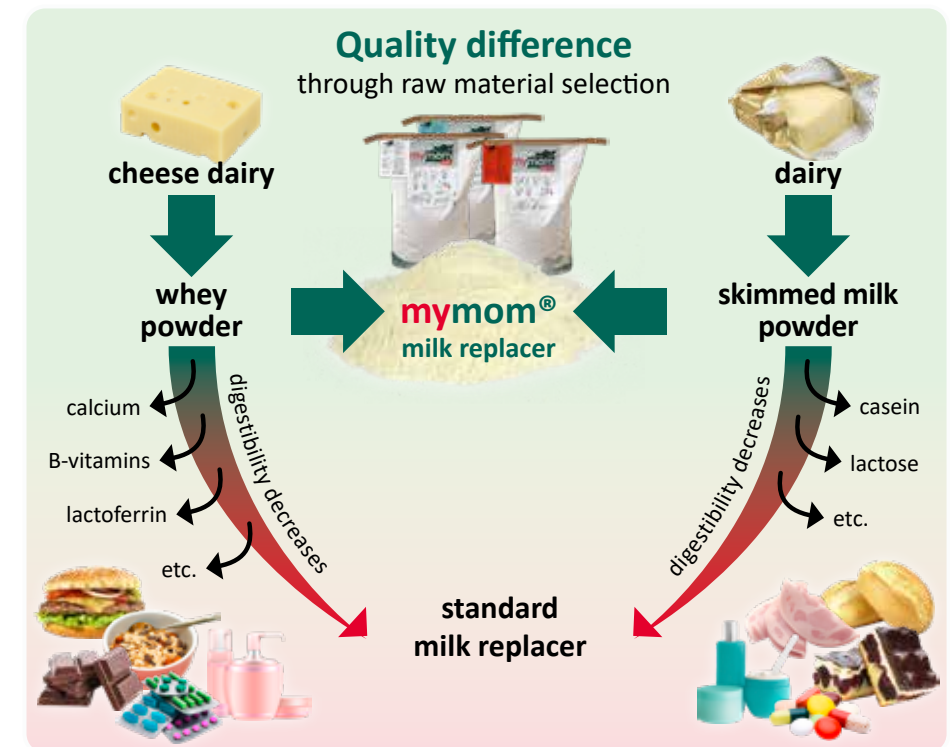
Our mymom® milk replacer led to a significantly higher intake of concentrate, an increased daily gain and a higher weaning weight due to the better digestible protein.

How does the mymom® milk replacer do this?

The selection of the raw materials determines the quality

In many standard products, valuable ingredients such as lactose, lactoferrin or immunoglobulins are removed from the raw materials (skimmed milk and whey) for human nutrition, pharmaceuticals or cosmetic products because they are easy to sell - but the calf then lacks them.

The mymom® milk replacers are produced especially for the calf and in such a way that all valuable ingredients remain contained:



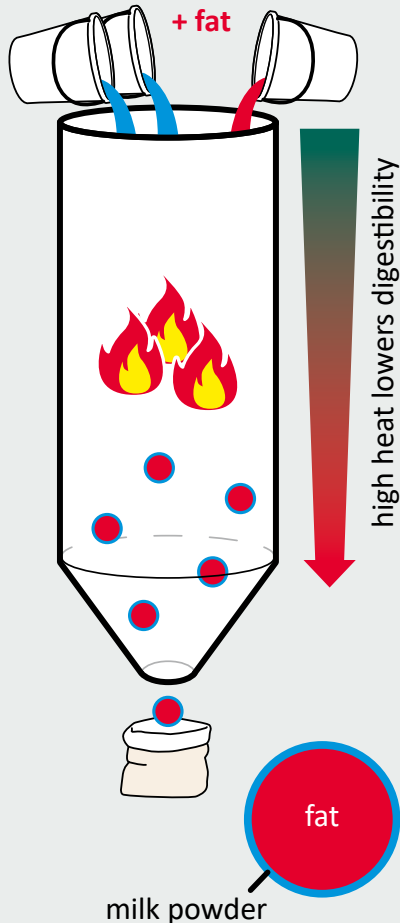
The treatment is enormously important!

standard milk replacer

(spray drying)

whey + skimmed milk

+ fat



For standard milk replacers, all liquid components are mixed and dried under high temperatures (see graphic on the left). In the process, the fat is trapped by milk components so that digestion can only take place one after the other.

There is a better way ...

Mild spray cooling

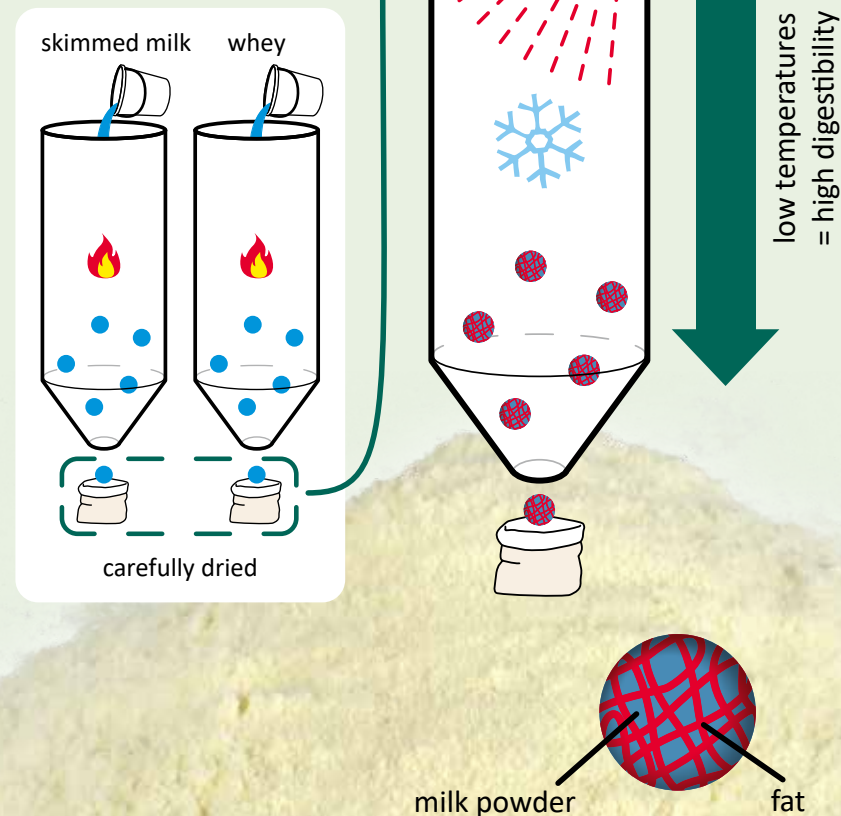
For our **mymom® milk replacer**, the raw materials are gently dried at low temperatures (see graphic on the right). In spray cooling, a special, patented manufacturing process, emulsified fat is then strongly heated (72 °C / 15 sec), sprayed onto the milk powder ingredients and immediately cooled to -20 °C. The fat crystallises and a net-like structure of vegetable fats and oils is formed on the milk components. This allows the calf to digest all the ingredients at the same time.

mymom® milk replacer

(spray cooling)

whey + skimmed milk powder

hot emulsified fat



More
information?

3 special ingredients:

Probiotics ...

for a healthy and resistant gut.
They also prepare the digestion
for non-dairy food.

- The two *Bacillus* strains *B. licheniformis* and *B. subtilis* protect against pathogenic bacteria, improve feed conversion and form enzymes to digest non-lactic food.
- The lactic acid bacterium *Enterococcus faecium* is found in every healthy intestinal flora. It promotes the proliferation of good intestinal bacteria and thus displaces undesirable bacteria from the intestine.



Antibacterial components ...
are short- and medium-chain fatty acids.
They protect against the proliferation of
unwanted intestinal bacteria.

- Bioactive peptides stimulate the immune system, effectively protect against pathogenic germs and improve the availability of minerals.
- Lactose and lactic acid prevent bacterial contamination of the feed. They are very palatable and ensure a low pH value in the intestine, which in turn promotes enzyme digestion.
- Essential oils promote digestion, support intestinal health and have a positive effect on the respiratory tract.

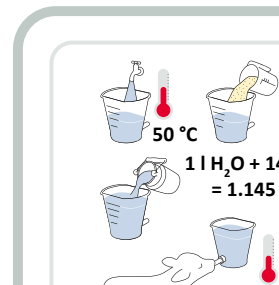
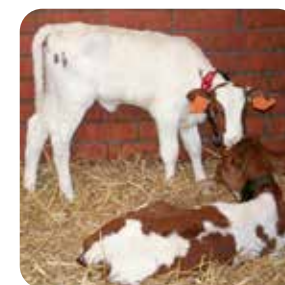
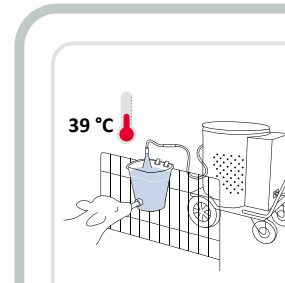
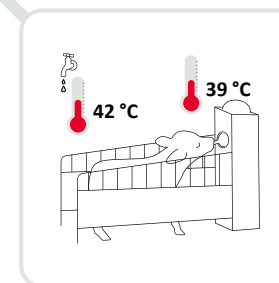
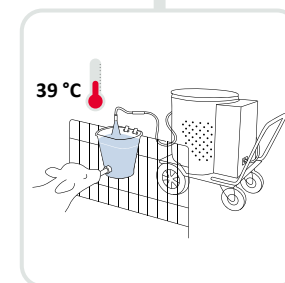
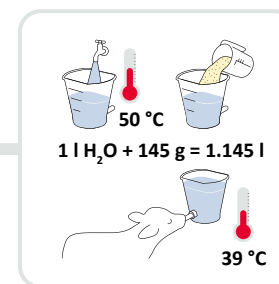


Emulsifiers ...

not only ensure optimal flowability
and solubility of the milk replacer.
They also improve fat digestion and
fat absorption for the calf.

3 special products

ensure a safe supply right from the start !



50/50



As calves are the future dairy cows ...

mymom[®] pur premium milk replacer

- guaranteed amount of immunoglobulins
- high raw material quality
- essential oils for healthy respiratory tract
- excellent solubility
- good taste, calves enjoy drinking it
- optimal fat-protein ratio (18 : 22.5)

mymom[®] pur is the right choice, if you want to give your calves the best possible care right from the start. First-rate raw materials are carefully run through a special, patented manufacturing process, thus producing a milk replacer which provides optimum digestibility. Thus, **mymom[®] pur** contains a guaranteed level of natural immunoglobulins from the milk, helping the calf to build up a healthy and resistant immune system. The skimmed milk content of 30 % ensures high digestibility and short saturation, so that roughage intake is stimulated. The optimal fat-protein ratio promotes healthy growth without fattening the cells. Probiotics improve intestinal health and prevent digestive problems. The valuable essential oils also support digestion and ensure healthy respiratory tracts.

With **mymom[®] pur** your calves can develop optimally. Because only healthy and fit calves become high-performing cows with a high life expectancy.

mymom[®] pur contains:

whey powder, skimmed milk powder, vegetable oils, solubilized wheat protein concentrate, linseed oil, probiotics, micronutrients, vitamins and essential oils

Shelf life:
12 months
from date of
manufacture



Feeding: Bucket feeding



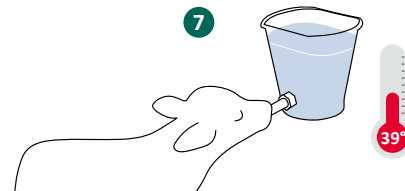
2/3 of total amount
of water: 50 °C



add 145 g per total
amount of water



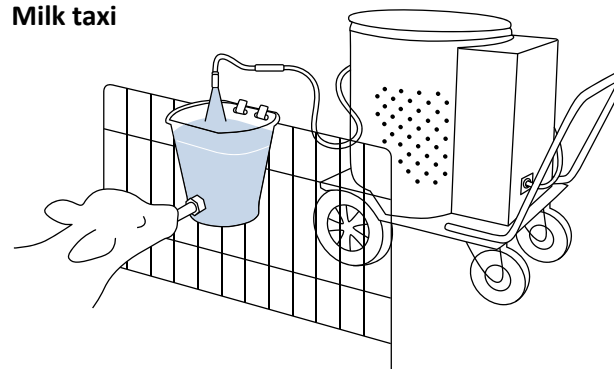
+ 1/3 of total amount of water



minimum concentration:

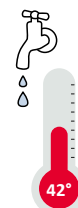
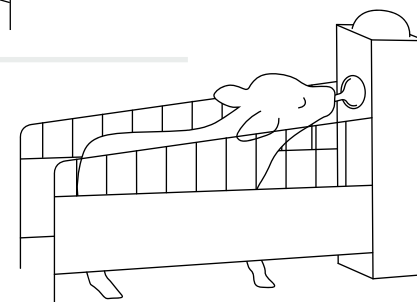
dissolve 145 g of
mymom[®] pur in
1 litre of water

Milk taxi



Automatic calf feeding system

0.875 litres of water
+ 0.125 kg of **mymom[®] pur**
1 litre of milk replacer



mixing temperature: 50 °C • feed at: 39 °C



As calves are the future dairy cows ...

mymom® pur 55

high-quality milk replacer

- high raw material quality
- 55 % skimmed milk content
- essential oils for healthy respiratory tract
- excellent solubility
- good taste, calves enjoy drinking it
- optimal fat-protein ratio (18 : 22.5)

mymom® pur 55 provides a solid supply of everything the calf needs. First-rate raw materials are carefully run through a special, patented manufacturing process, thus producing a milk replacer which provides optimum digestibility.

The high skimmed milk content simplifies the changeover from whole milk to milk replacer and ensures good satiation of the calf. The optimal fat-protein ratio promotes healthy growth without fattening the cells.

Proven probiotics promote intestinal health and prevent digestive problems. Vitamins and trace elements enable healthy growth. Due to its good solubility, this milk replacer is suitable for all common drinking methods: whether bucket feeding, milk taxi or automatic feeding system.

Fit, healthy and resilient calves are a joy to behold and essential for a successful cattle farming.

mymom® pur 55 contains:

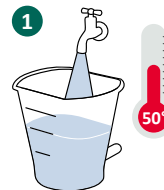
skimmed milk powder, whey powder, vegetable oils, wheat protein (hydrolysed), linseed oil, probiotics, micronutrients, vitamins and essential oils

Shelf life:
12 months
from date of
manufacture



Feeding: Bucket feeding

1



2/3 of total amount
of water: 50 °C

2



add 145 g per total
amount of water

3



4



5



6



7

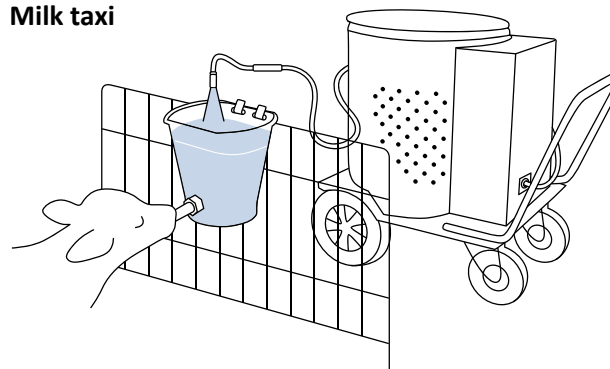


+ 1/3 of total amount of water

minimum concentration:

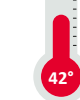
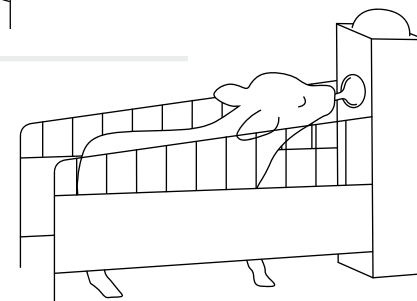
dissolve 145 g of
mymom® pur 55 in
1 litre of water

Milk taxi



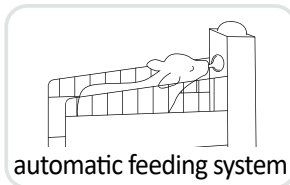
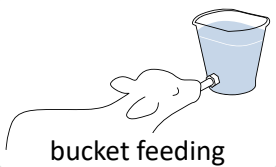
Automatic calf feeding system

0.875 litres of water
+ 0.125 kg of mymom® pur 55
1 litre of milk replacer



mixing temperature: 50 °C • feed at: 39 °C

Feeding schedule mymom® pur / pur 55



age of calf	drinking solution per day			mymom® müsli plus (kg/day)	fresh hay	fresh water
	water	+ mymom® pur summer	winter*			
5 - 6 days**	colostrum / whole milk feeding 2 x 4 litres					
2 nd week	6 l	870 g	960 g*	ad libitum	twice a day	ad libitum
3 rd week	8 l	1160 g	1280 g*	ad libitum	twice a day	ad libitum
4 th week	8 l	1160 g	1280 g*	ad libitum	twice a day	ad libitum
5 th week	8 l	1160 g	1280 g*	ad libitum	twice a day	ad libitum
6 th week	8 l	1160 g	1280 g*	ad libitum	twice a day	ad libitum
7 th week	8 l	1160 g	1280 g*	ad libitum	twice a day	ad libitum
8 th week	6 l	870 g	960 g*	0.5 kg	twice a day	ad libitum
9 th week	6 l	870 g	960 g*	1 kg	twice a day	ad libitum
10 th week	4 l	580 g	640 g*	1.5 kg	twice a day	ad libitum

*The concentration of the drink depends upon the energy demand (observe higher energy demand in winter!)

**in case of a longer beast / whole milk phase (times vary from farm to farm) use the dosage according to the calf's age

mymom® click feeding bucket

- fill level is easy to see through transparent bucket
- measuring scales on the front and rear side
- hygiene of milk ensured by bucket lid
- 1-click system enables easy cleaning and changing of the suckers



Calf feeder bottle

1-click system, 3 l

- sturdy bottle
- large opening for easy filling and quick, hygienic cleaning
- easy handling
- handle on the bottle lid
- 1-click system enables easy cleaning and changing of the suckers



mymom® 50/50

supplement to whole milk
from the 3rd day of life

- guaranteed amount of immunoglobulins
- provides important vitamins and trace elements
- optimises the ratio of whole milk with a fat-protein ratio of 10 : 24
- essential oils for healthy respiratory tract
- excellent solubility

Whole milk is the most natural calf nutrition, but the composition varies. Vitamins and trace elements are often not present in sufficient quantities and the fat-protein ratio is usually not ideal either.

With mymom® 50/50 you can ensure the optimal supply for your calf. It is dissolved in water and mixed in equal parts with whole milk.

This increases the content of important vitamins and nutrients and improves the fat-protein ratio. In addition, the immunoglobulins contained provide a good basis for a strong immune system, and the probiotics help to build up a healthy intestinal flora.

Fit, healthy and resilient calves are a joy to behold and essential for a successful cattle farming.

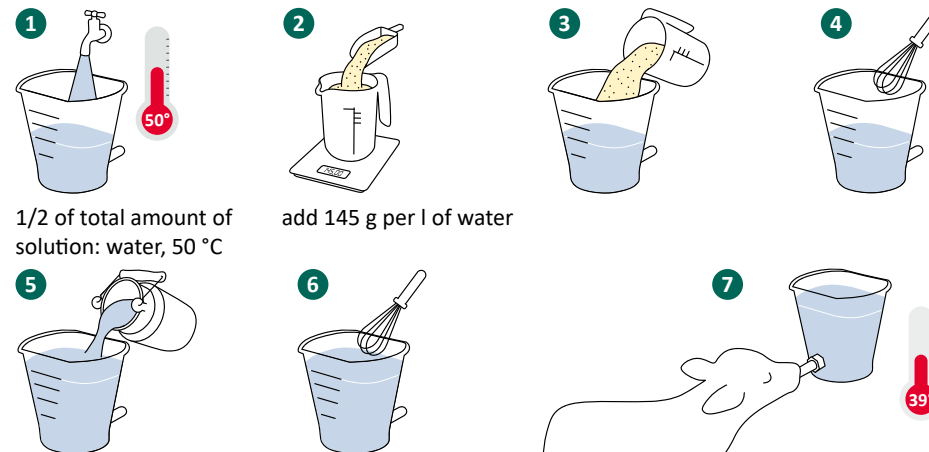
Additional benefits from sold milk are further good reasons for this product.

Shelf life: 12 months from date of manufacture

mymom® 50/50 contains: whey powder, whey protein concentrate, vegetable oils, solubilized wheat protein concentrate, probiotics, micronutrients, vitamins and essential oils



Feeding: Bucket feeding

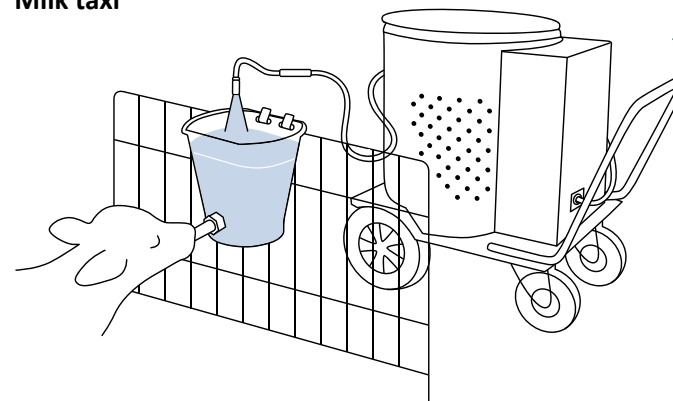


1/2 of total amount of solution: water, 50 °C

add 145 g per l of water

add half of total amount of solution: whole milk

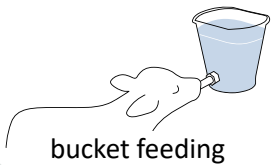
Milk taxi



mixing temperature: 50 °C ▪ feed at: 39 °C

7 litres of water
+ 1 kg mymom® 50/50
+ 8 litres of whole milk
16 litres of drinking solution

Mixing chart mymom® 50/50



total amount of drinking solution	=	water 50 °C	+	mymom® 50/50	+	add warm whole milk
4 litres	=	1.8 l	+	0.25 kg	+	2 l
8 litres	=	3.5 l	+	0.50 kg	+	4 l
12 litres	=	5.3 l	+	0.75 kg	+	6 l
16 litres	=	7.0 l	+	1.00 kg	+	8 l
20 litres	=	8.8 l	+	1.25 kg	+	10 l
24 litres	=	10.6 l	+	1.50 kg	+	12 l
28 litres	=	12.3 l	+	1.75 kg	+	14 l
32 litres	=	14.1 l	+	2.00 kg	+	16 l
36 litres	=	15.8 l	+	2.25 kg	+	18 l
40 litres	=	17.6 l	+	2.50 kg	+	20 l
44 litres	=	19.4 l	+	2.75 kg	+	22 l





Kälberdecke

premium calf blanket

- supports the development of the immune system
- PU foam layer keeps extra warm
- breathable
- waterproof (up to 5,000 mm water column)
- flexible size adjustment





mymom® müsli plus

high-quality calf muesli

- stimulates rumen formation
- high energy feed
- easily digestible protein sources
- very tasty
- provides an excellent supply of vitamins and trace elements



Apple pomace gives mymom® müsli plus a fruity sweet smell.

The maize is included as a popcorn variant. Many calves like this very much. The grains are then soft and easy to chew.

The fine muesli components stick to the moist nose, are licked off and bring the calf to the taste.

All important cereal components (oats, barley, maize) are processed as flakes. This makes digestion easy and facilitates a thorough absorption of the starch. 18 % crude protein provides the basis for good growth.

Feeding

mymom® müsli plus should be offered to calves ad libitum from day 5.

Components

- corn flakes
- barley
- soy bean extraction meal
- rapeseed meal
- corn gluten feed
- sugar beet molasses and chips
- dried grain residues
- apple pomace
- maize popped
- oat
- linseed cake
- minerals and trace elements

Storage / shelf life

- shelf life: 6 months from date of manufacture, if stored in a cool and dry place
- reseal bag as airtight as possible after opening

Packaging

20 kg bag

*That smells really
delicious!*



orgacell sc® 5/10

supplementary feed with live and inactive yeast

- activates the immune system
- provides high quality yeast protein which facilitates soaking and stimulates rumen microbes
- activates vitamin and biotin production in the rumen
- stabilises the rumen, especially under stress
- reduces the risk of acidosis
- high amount of live yeast: $2,000 \times 10^9$ CFU/kg



Little helpers – big support

orgacell sc® 5/10 is a high-quality supplementary feed made from a live and an inactive yeast component. Due to a low proportion of vegetable oil, the product is low in dust.

A well-functioning rumen is the basic prerequisite for the development of a healthy and high-performing cow.

Inactive yeast

Yeast cell walls have a special structure that provides a high binding capacity. This allows heavy metals, pathogens and toxins to be bound and removed from the animal without causing harm. Thus, the body's own immune defence is supported.

In addition, the inactive yeast provides easily digestible protein. This is especially important during and after weaning, as the highly digestible milk protein becomes less and less. Vegetable proteins are not so easily digestible, so inactive yeast is a great help when switching to solid feed.

Live yeast

In **orgacell sc® 5/10** the live yeast *Saccharomyces cerevisiae* supports the rumen by binding O_2 there and

stabilising the pH value. This allows the beneficial bacteria to multiply and improves the digestion of the fibres.

The high-quality microbial protein provides the calf with more usable protein, which has a positive effect on growth.

Feeding

orgacell sc® 5/10 is fed at 10 g per calf and day.

Start feeding slowly.

Components

- yeast *Saccharomyces cerevisiae* (live and inactive)
- dried grain residues
- soya oil







Storage / shelf life

Store in a dry place. Close bag tightly after opening, shelf life 12 months from date of manufacture.

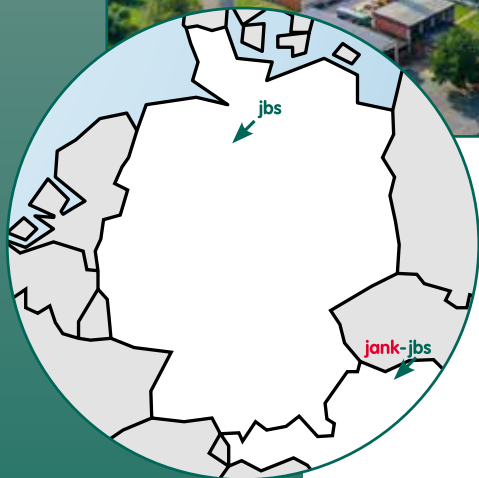
Packaging

20 kg bag

A calf's perfect start into a prosperous life

(days after the first colostrum)	day 1	day 2	day 3	day 4	day 5	day 6	day 7	day 8	day 9	day 10	day 11	day 12	day 13	day 14	day 15	from day 16 on
	colostrum feeding phase															
 mymom® start		for weaker calves or twin births (may be used prophylactically)														
 mymom® protect			stabilizes digestion, normalizes inadequate faeces consistency and ensures milk intake												as required, administer once or twice, up to maximum 4 months of age	
 mymom® profimix			important components for the calf's perfect development, has positive effects on digestion												as required, from the colostrum-feeding period on, up to maximum 3 months of age	
 mymom® pur / pur 55 / 50/50				unique, high-quality milk replacer											following colostrum-feeding	
 mymom® müsli plus																
				supports the development from calf to ruminant, offer ad libitum												

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growth & success
for the best agriculture – worldwide

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