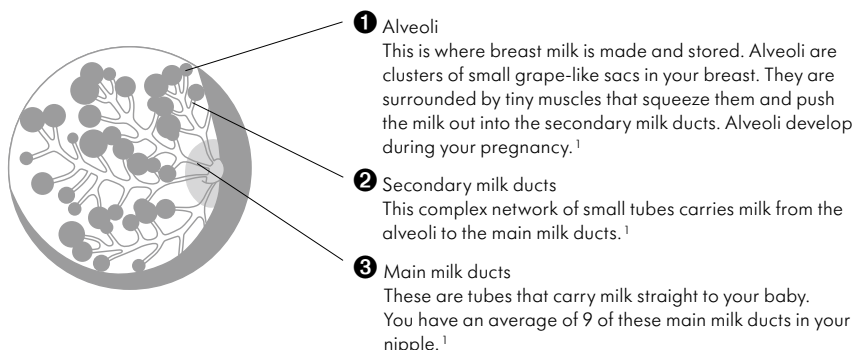


What makes breast milk so amazing?

Surprise! The breast is an organ, too!

Your breasts can also be called mammary glands and they produce breast milk. Within each mammary gland, different parts play a role in making and transporting breast milk.



Breast milk is a living fluid

Breast milk is a living substance that changes to meet the growing needs and development of your child.



The power of colostrum

The precious colostrum and the milk you make in the first weeks are different from mature milk. Colostrum may not seem like a lot of volume, but it is jam-packed with ingredients and contains double the amount of protein than your later milk.² These proteins protect your baby against diseases from the very beginning.³

Wow! The cells can change!

Breast milk contains live cells, like stem cells. These stem cells can be directed to become other body cell types such as bone, fat, liver and brain cells and may act as a type of "internal repair system".⁴ Isn't that incredible?

Your breast milk is flavoured by what you eat

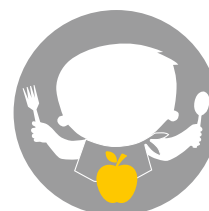
Breast milk has a flavour profile: Just as the foods you eat during pregnancy flavour the amniotic fluid, those you eat during breastfeeding flavour the milk. This may 'signal' later food preferences of your baby.⁵



Pregnancy



Breastfeeding



After weaning

Breast milk is the most natural defence

When your baby is born, breast milk is your baby's first immunisation to help fight disease and illness.



Thousands of ingredients

There is no substitute for breast milk. There are thousands of different ingredients in breast milk such as proteins, fats, lactose, vitamins, iron, minerals, water and enzymes. The vast majority of these ingredients cannot be replicated artificially.³

Just the fat your baby needs

Human milk is specifically designed for human babies. Your milk contains around 4% fat, while milk of seals and whales contains up to 50% fat! The fats in your milk are important for growth and development, and are even antibacterial.³

Over 200 prebiotics

Breast milk contains prebiotics, more than 200 complex sugars (oligosaccharides) that help protect the gut from different types of microbes.⁶ No other species has so many special sugars except perhaps the elephant!⁷

Over 1000 proteins

Many of the proteins in breast milk are active with functional roles! Some of these proteins can help to kill bacteria and others can identify pathogens. These immune proteins are guards that protect against microbes.^{3,8}

Breast milk supports brain development

The brain is the fattest organ in the body! Brain mass almost doubles in the first 6 months and at 2 years of age it reaches approximately 80% of adult size. Breast milk contains essential components for optimal development of the brain.⁹



Brain at birth
0.38 kg



Brain at 6 months
0.64 kg



Brain at 1 year
0.97 kg



Adult brain
1.45 kg

Breast milk: The ultimate all-in-one meal



Amazingly, your body produces the right nutrients in the right amount and the right volume of milk to match your baby's needs at all times.

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