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supermarket, you can try to get some Instead of pasturised milk from the Yariate the yogurt recipe:

taste is preserved. bacteria and fungi are destroyed, but the until 72°C. At this temperature, harmful pasturise it yourself by heating it up fresh milk directly from the farmer and

This is what you need to

Greek style, thick yogurt. can make both a thin stirred yogurt or a With the instructions on the inside, you yogurt will get another taste or texture. various temperatures to the milk, your Adding (specific) yogurt bacteria at

found at togethersciencebus.eu. information about yogurt making can be The instructable for this and additional the pH levels with your own pH meter. time. Curious about the acidity? Measure with a thermometer and adjust the heating acidity. You can measure the temperature temperature, kind of bacteria, time and influence your end result: fat percentage, There is a variety of factors that Research the process

## make your own yogurt

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tiny friends, bacteria, in this process? thick yogurt? And what is the role of our makes the difference between a thin or thicker than Bulgaria. But what exactly many variaties. In Greece yogurt is worldwide a popular product and made in Yogurt originates from Turkey. Now it is Introduction

DO-IT-TOGETHER

collecting folk remedies

do it together & find out how things work

form a jelly-like substance; yogurt! the proteins in the milk clot and will convert the sugars into acid. Acid makes temperature). these bacteria will then adding bacteria to the milk (at a certain as acid, gas or alcohol. Yogurt is made by organisms eat the sugars and poo them out -onsim haidw ni zeesong fenuten e zi Yogurt is made through fermentation. This

.enidt lenuten to make your own yogurt and enjoy the instructions on the inside of this leaflet fun and tastes better! Just follow the Making yogurt yourself is much more extend the shelf life of the product. contains (unnecessary) ingredients to The yogurt you buy at the supermarket



## Make your own yogurt

Making yogurt yourself is easy, healthy and delicious. Discover below how to transform ordinary milk into yogurt with the help of some friendly bacteria:



Make sure that the jar in which you are going to keep the yogurt is clean. Put the jar in a big pan with boiling water for at least 15 min or put it in the dish washer first and let it dry.



Heat the milk in a large pan. For a thick yogurt until 44°C. For a thin yogurt until 34°C. Are you using fresh, unpasturised milk from the farm? Than initially heat the milk until 72°C for pasteurisation (see also inside).



When the milk reaches the correct temperature, add the organic yogurt (your starter culture). To avoid clotting, stir well.



Pour the mixture quickly (to prevent heat loss) in the clean jar and close this with the lid.



Wrap the jar in a large blanket, sleeping bag or (like back in the old days) in a wooden chest filled with hay. Keep your jar warm for 12-24 hours. For thick yogurt 4-24 hours.



Subsequently, put the jar in the refrigerator to incubate for 12 hours. The thickness of the yogurt wil increase by cooling it. And of course chilled yogurt is much more delicious to eat.



After 12 hours in the fridge you can eat your homemade yogurt. It will stay fresh for about 2-3 weeks if kept cool and in the fridge.

Tip: Experiment with the time and temperature. Which yogurt do you like most?



Tip: keep your bacteria
Is your yogurt the way you love it? You can keep the bacteria for a long time, by freezing them. Pour the yogurt in an ice cube mold and use 4 cubes (per litre) the next time you are making yogurt.



Share your recipe!

Do you have a much better recipe to make your own yogurt or special insider's tips? Let us know via the website:
togethersciencebus.eu or by using #sciencebus on twitter

or instagram.