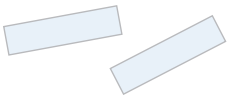
The Science Lab

HOW IS CURD DIFFERENT FROM MILK?

You will need:

Milk

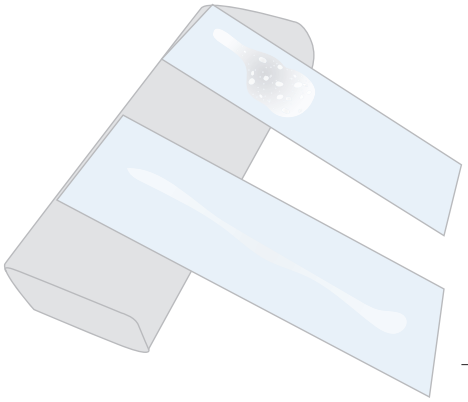
Curd



Glass slides

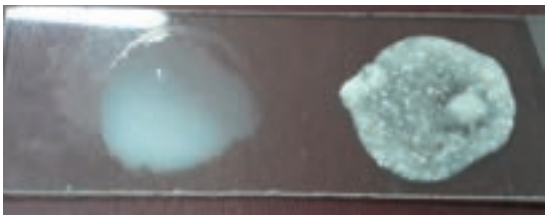
What to do:

1. Compare the smell of the milk and curd. Can you describe the smell of each in one word? What words have your classmates used to describe each of them?
2. Place a drop each of milk and curd on separate slides. Hold the slides up and tilt to compare their runniness.
3. Place a drop each of milk and curd, side by side, on a single slide. Smudge each drop separately moving your forefinger over it in circular motion at least 5 times. Compare the appearance of the two smudges.
4. Put a drop of milk on the corner of a pH strip. Do the same with curd to compare the acidity of the two liquids.



A drop of curd on a glass slide

A drop of milk on a glass slide



Photographic representation with milk (left) & curd (right)

i wonder...
Rediscovering school science

Contributed by:
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Azim Premji University

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HOW IS CURD DIFFERENT FROM MILK?

Record: what you learn from your investigation in the table.

	Milk	Curd
How does it smell?		
How thick/runny is it?		
How uniformly does it spread? (Is the smudge even/clumped? Does it remain concentrated at the centre or does it disperse to the edges?)		
What is its pH?		
Others		

Discuss:

- Would you be able to identify a drop of curd by its:
  a. Smell?
  b. Runniness?
  c. Smudge pattern?
  d. pH?
- Which of these seems like a more reliable method to identify curd? Why?
- Can you think of other ways to tell milk and curd apart?

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