

@ HOME SCIENCE DISCOVERY MISSIONS – PROTEIN GLUE



Frasmus+

What Do We Need?

- Milk (skimed/low fat)
- Vinegar •
- Baking soda (baking powder)
- Coffee filter

Protocol

- 1. Put two mugs of milk into a kettle and heat to about 50 ° C. TIP: Do not let it boil!
- 2. Put the vinegar drop by drop, stirring constantly until you see that two distinct layers form.
- 3. Let the mixture stand and cool.
- 4. Filter the mixture using a coffee filter, recovering only the solid part.
- 5. Dry out the mixture with absorbent paper and place it in a bowl.
- 6. Add 3 teaspoons of baking soda and mix well until a homogeneous mixture similar to white glue appears.

OUR MISSION REPORT

 \Box not at all

 \Box not at all

- What happens when the temperature of the milk is too hot or

- What type of materials can you glue with this mixture? Why? (for example, plastic, paper, cardboard, etc.)

- For how long is the glue effective? (does it still work after 3)

 \Box not much

 \Box not much

- Where do you see science in this mission?



What was good/bad about this mission?

Did you use the 'Learn more!' resources?



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