



82001 - Fast Alkaline Phosphatase Test, 100 tests/ kit

Contents of kit LACTO-PAST BIOMEDIX

- Reagent R1, 40 ml
- Reagent R2, 10 ml
- Reagent R3, 5 ml

Necessary equipment (not included)

- Pipette variable volume 100-1000 μ l
- Pipette variable volume 0.5-10 μ l
- Yellow tips
- Blue tips
- 100 vials RIA 75x12 mm
- 100 taps for vials RIA 75x12 mm
- Vial rack
- Urobox



Procedure

1. At the vial rack we place the vials RIA, as many samples as we want to check from the pasteurizer and number them.
2. We take with the pipette 400 μ l from reagent R1 and place it in every numbered vial RIA we have prepared. After that, we change tip and add 100 μ l from reagent R2. Finally, we change tip and add 10 μ l from reagent R3.
3. We change tip and add 8.3 μ l from the sample of milk under examination.
4. We close the vial RIA with the tap and shake for 5 seconds.



Positive (+) sample from 5 seconds to 300 seconds from proper pasteurized milk



Negative (-) sample from 5 seconds to 300 seconds from non pasteurized milk



SAMPLE 8, concentration % of raw milk in pasteurized milk 0.08%. Presence of ALP in the sample, concentration of ALP >280 mU/L from 5 seconds to 300 seconds and change of the color from white to light yellow



SAMPLE 9, concentration % of raw milk in pasteurized milk 0.1%. Presence of ALP in the sample, concentration of ALP >350 mU/L from 5 seconds to 300 seconds and change of the color from white to light yellow

Result interpretation from 5 seconds up to 300 seconds

- Positive (+) sample of milk pasteurization. The color of the sample turns white. Pasteurization of milk is successful.
- Negative (-) sample of milk pasteurization. The color of the sample turns between light yellow to yellow. Pasteurization of milk is not successful.
(Sensitivity of the test for this period of time for ALP > 280 mU/L)



Positive (+) sample from 15 minutes up to 60 minutes from proper pasteurized milk



Negative (-) sample from 15 minutes up to 60 minutes from non pasteurized milk



SAMPLE 4, concentration % of raw milk in pasteurized milk 0.005%. Presence of ALP in the sample, concentration of ALP >17,5 mU/L from 15 minutes up to 60 minutes and change of the color from white to light yellow



SAMPLE 8, concentration % of raw milk in pasteurized milk 0.08%. Presence of ALP in the sample, concentration of ALP >280 mU/L from 15 minutes up to 60 minutes and change of the color from white to light yellow



SAMPLE 9, concentration % of raw milk in pasteurized milk 0.1%. Presence of ALP in the sample, concentration of ALP >350 mU/L from 15 minutes up to 60 minutes and change of the color from white to light yellow

Result interpretation from 15 minutes up to 60 minutes

- Positive (+) sample of milk pasteurization. The color of the sample turns white. Pasteurization of milk is successful.
- Negative (-) sample of milk pasteurization. The color of the sample turns between light yellow and yellow . Pasteurization of milk is not successful.

(Sensitivity of the test for this period of time for ALP > 17.5 mU/L)

IMPORTANT INFORMATION

1. For the test procedure there is no need of thermal preparation of the sample. The test works at temperatures 2-42 C
2. The kit with the reagents must be stored at the refrigerator at temperatures 2-8 C