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Alcaline Phosphatase Activity in Swiss Ewe's and Goat's Milk

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Aim and Method

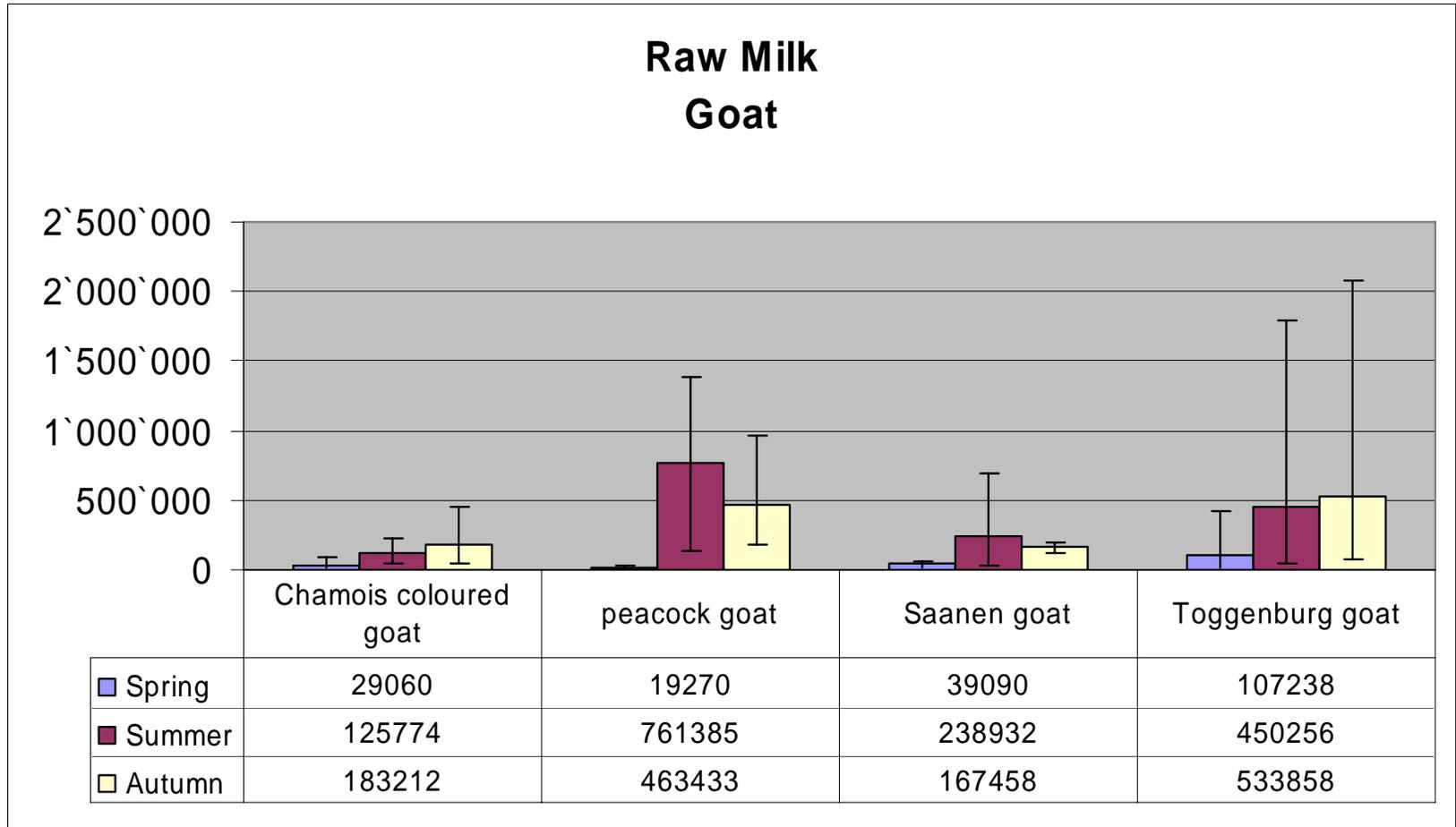
- Trial as proposed in CRL circular letter of 14.03.03
- 4 goat breeds, 2 sheep breeds, approx. 5 herds per breed
- Sampling of the milks in April, August and October 04
- Measurements of frozen samples in October 04
- Fluorophos method





Results

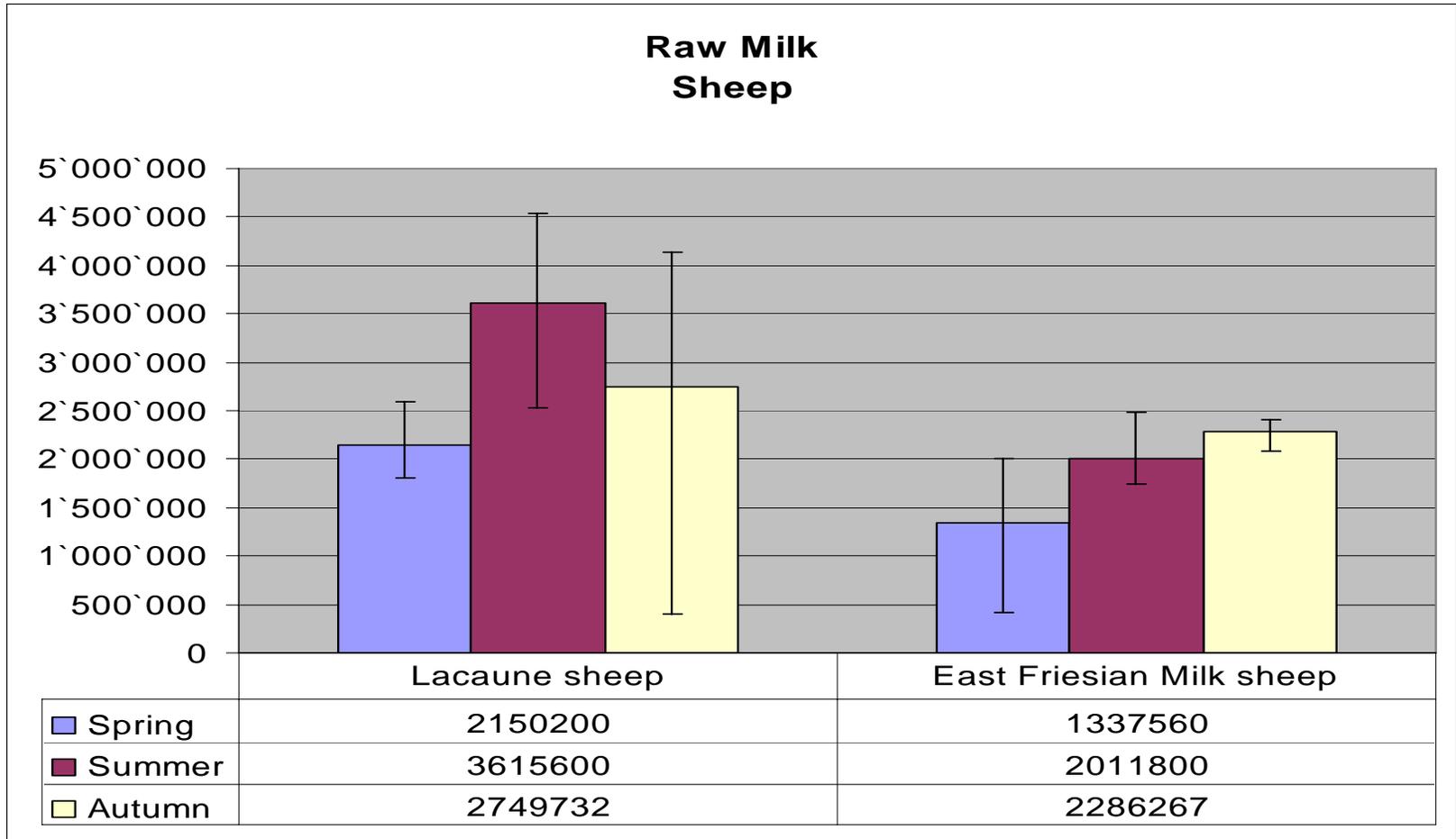
Raw milk Goat (mU/L)





Results

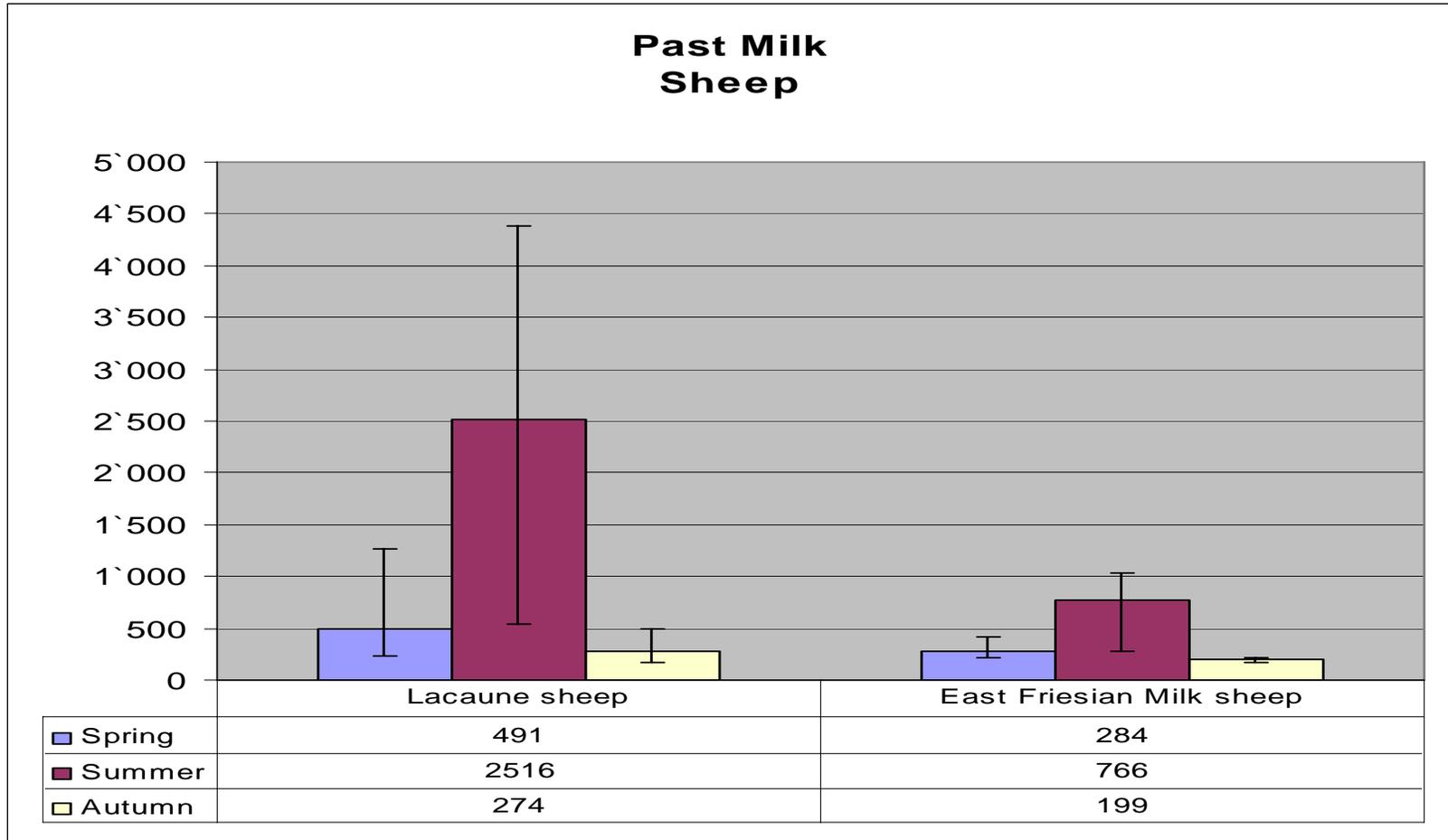
Raw milk Sheep (mU/L)





Results

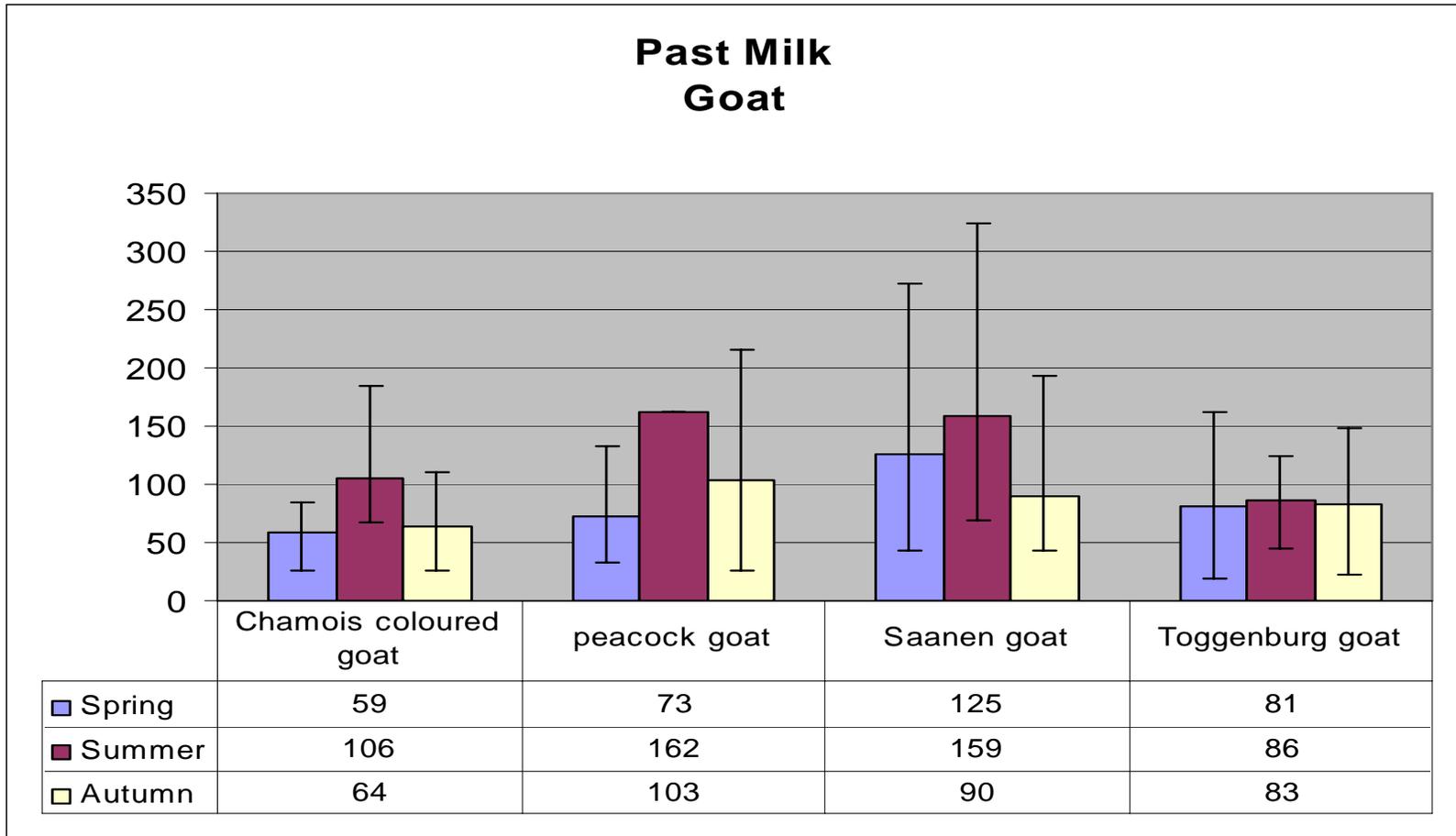
Pasteurized milk Sheep (mU/L)





Results

Pasteurized milk Goat (mU/L)





Conclusions

- Alkaline phosphatase activity is 10 times higher in raw milk from ewes than from goats
- Generally the alkaline phosphatase activity is higher in summer
- In pasteurized milk from goats the alkaline phosphatase activity is generally below 200 mU
- In pasteurized milk from ewes the averages of alkaline phosphatase activity are between 700 and 2500 mU in summer and between 200 and 500 mU in spring and autumn.