C-REACTIVE PROTEIN AS A MARKER OF CATTLE HEALTH STATUS

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ABSTRACT
Acute phase proteins are known as important markers of health in animals. In this paper, C-reactive protein was determined to see its clinical relevance in cattle farms. We tested 32 samples, from Holstein dairy cows who had inflammation and infection, and healthy animals in various physiological status and different ambient temperatures. Among the methods for detecting C-reactive protein, we used the latex agglutination method, serum samples were performed. Following the results, we found that this C-reactive protein detection method is not sensitive enough, although it is considered fast and financially acceptable. Our recommendation is to use in cattle, a more qualitative as well as quantitative method, that together with other acute phase proteins may give better evidence of inflammation, subclinical mastitis and other disease states or discomfort in farms, and for checking the effectiveness of treatments.

KEYWORDS
C-reactive protein, dairy farm, latex agglutination

REFERENCES