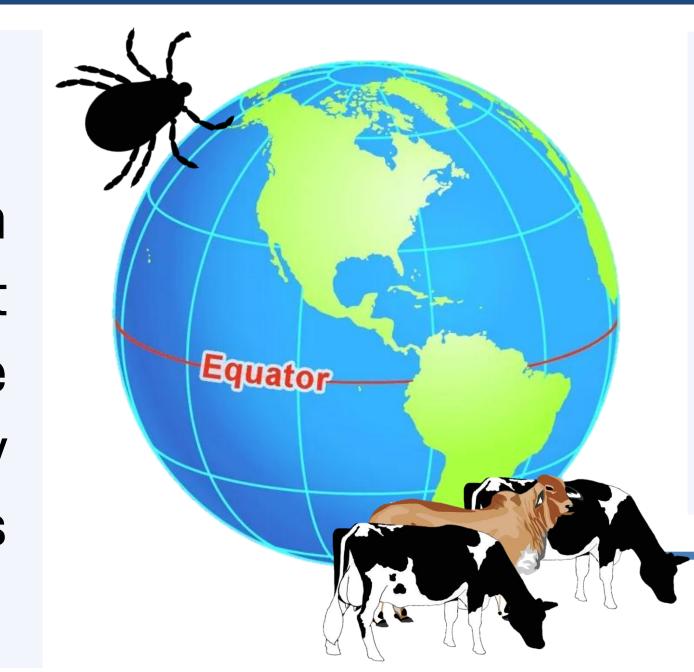


Bovine anaplasmosis in endemic areas of Ecuador

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TICKS & TBDs

Bovine anaplasmosis, caused by Anaplasma marginale, is a significant disease impacting cattle in tropical areas. When it occurs, it leads to substantial economic losses for farmers due to reduced productivity, severe anemia, and increased mortality rates. Rhipicephalus microplus is one of the primary vectors responsible for the transmission of A. marginale.

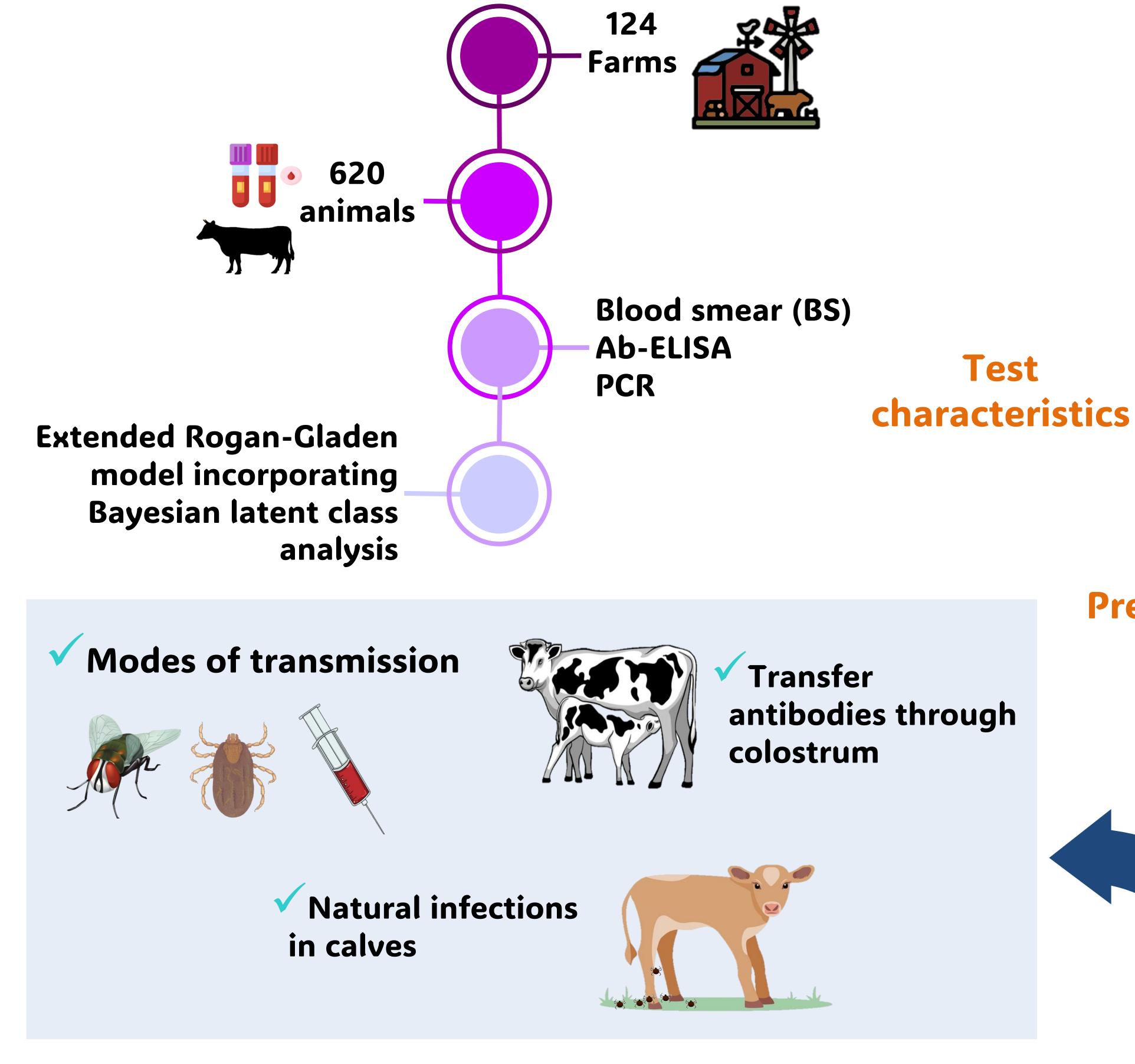


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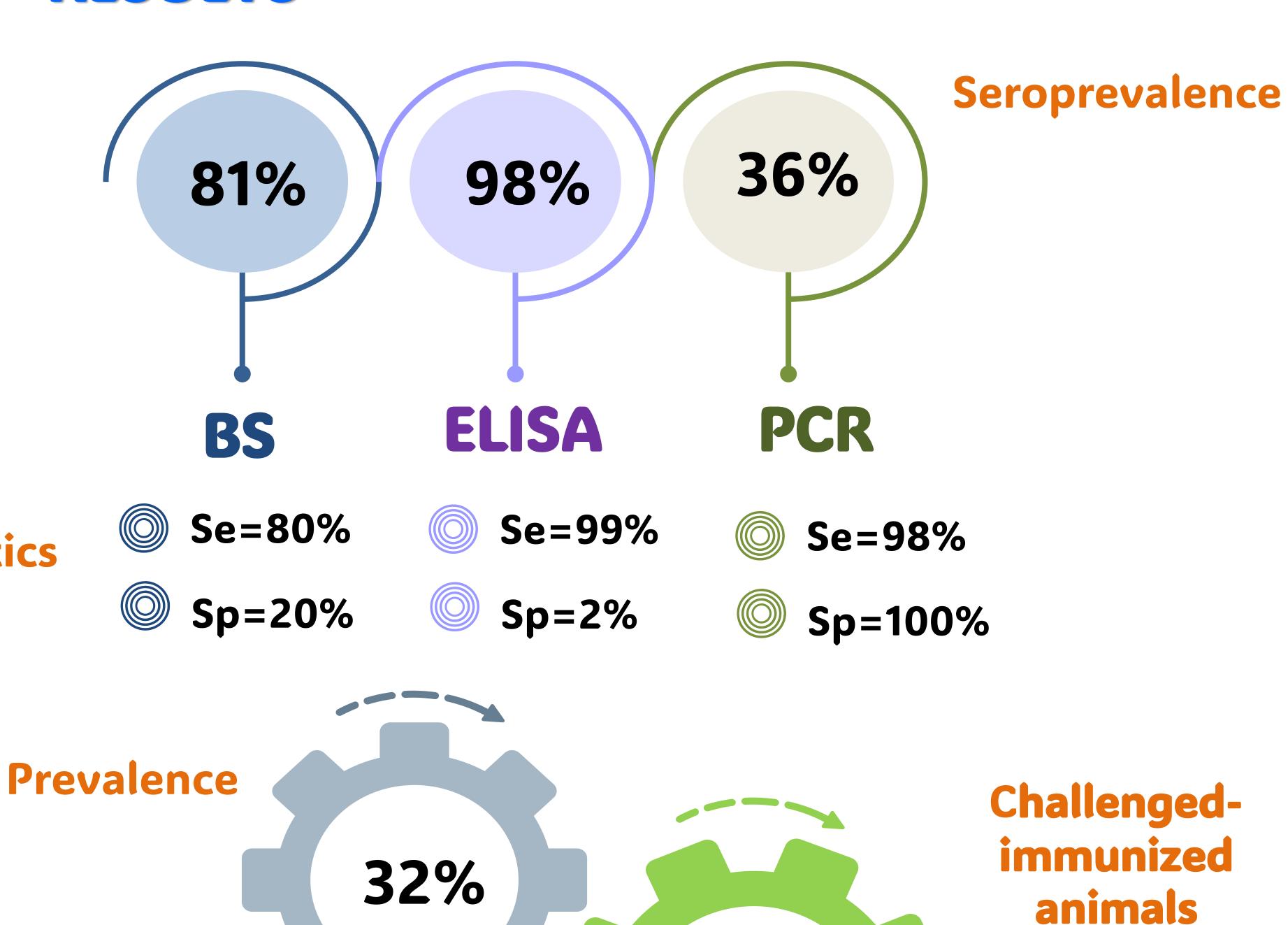
More than 75% of cattle herds in Ecuador are located in areas highly suitable for cattle tick tick-borne development and diseases transmission, facilitating the spread of infections.

OBJETIVE: To assess antibody serology in cattle and evaluate the test characteristics of three commonly used diagnostic methods for bovine anaplasmosis. Additionally, this study aimed to determine the proportion of naturally immunized animals in endemic areas.

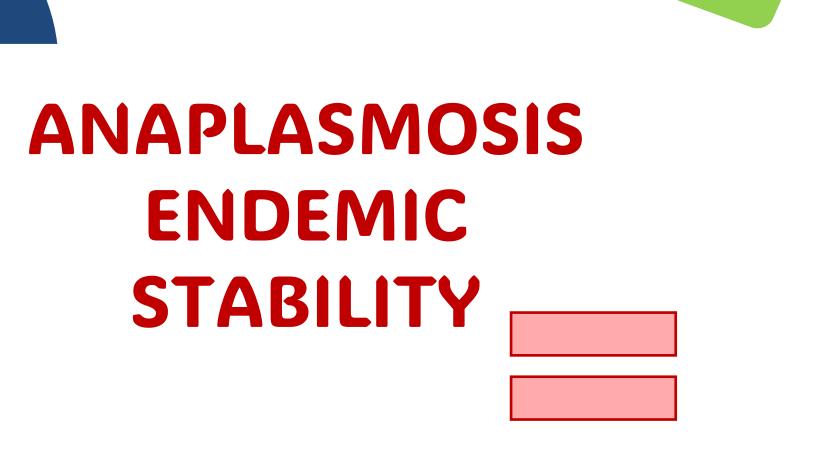
MATERIALS AND METHODS



RESULTS



67%



High seroprevalence



Rare presence of clinical disease

Maintaining endemic stability in TBD zones requires balanced tick control. High seroprevalence indicates stability, yet improper management, climate shifts, or new pathogens could disrupt this balance, increasing the risk of clinical anaplasmosis outbreaks









FUNDED BY:









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