

III. Sensitivity—Bovine Milk Samples

A. Diagnostic Sensitivity—Temporal

Purpose: To evaluate the IDEXX Milk Pregnancy Test using bovine milk samples collected from cows throughout gestation.

Procedure: Bovine milk samples were collected from cows from a Beijing, China, dairy, starting at day of breeding and continuing at different time points throughout the pregnancy. A total of 4–12 samples were tested for each time point. Samples were tested and results interpreted according to the standard assay protocol.

Results/

Conclusions: The average PAG levels in samples collected at the different time points are represented in figure 3. There was a rapid increase in early PAG levels, with pregnancy consistently detected by day 28. PAG levels declined slightly in midpregnancy around day 60, returning to high levels prior to calving.

Figure 3: Temporal Response of PAGs

