

Sample collection

Using 5 ml sterile syringe blood samples were collected from the jugular vein of goats. The blood samples were stored overnight at room temperature for serum separation and transferred into a sterile serum vial after separation, the sera samples were stored at -20°C until a laboratory test was performed.

Laboratory test

The sample collected was tested by using c- 387.ed was testeISA

was no significant difference in the sero-positivity of PPR according to breed ($\chi^2 = 0.362, p > 0.05$). The breed wise PPR status in goat is shown in (Figure 5).

Husbandry system wise sero-positivity

The husbandry system was grouped into two- Intensive and Semi intensive. Out of 184 goat sera samples 90 sample were collected from goat reared in intensive system and 94 sample were collected from goat reared in semi-intensive system. 48.9% goat reared in intensive system and 70.2% goat reared in semi- intensive system were found positive to PPR on ELISA test. There was significant difference in the sero-positivity of PPR according to husbandry system ($\chi^2 = 8.696, p < 0.05$).

The husbandry system wise PPR status in goat is shown in (Figure 6).

Discussion

Out of 184 goat serum sample 59.78% (110/184) were found to be positive in the PPR c-ELISA kit. Study reported a sero-positivity of PPR in goat was 82.60% [3]. Similarly, in Kassala state of Sudan out of 372

goat serum sample 40.5% were found positive to PPR by using c-ELISA kit [14]. This study is in close approximation with the result of studies done in Sudan where they have reported 61.8% [1] but it was found that relatively lower prevalence 22.3% found in Panjab Province of Pakistan [2]. Significantly higher sero-positivity was found in age group less than 1 year (71.6%) as compared to age group more than 1 year (49%). In contrast to this finding PPR occurrence in adults is significantly higher in adult (> 12 month) followed by young (4-12 months) and sucklers

