





Factors influencing the efficiency of IgG absorption:

Time of first colostrum ingestion

Colostrum IgG concentration

Volume of fed colostrum

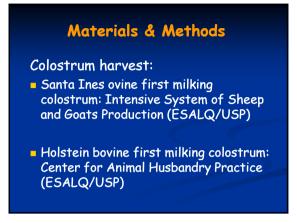
Colostrum substitute:

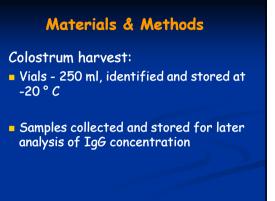
Mother's low production

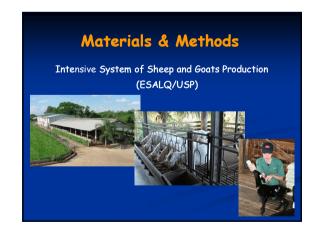
Large number of offspring

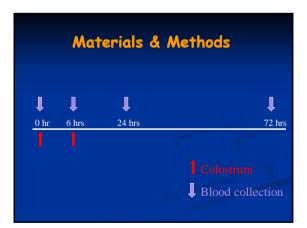
Vehicle for pathogens





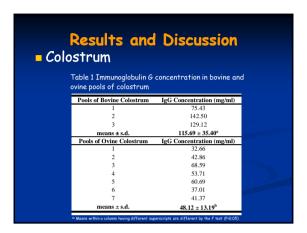


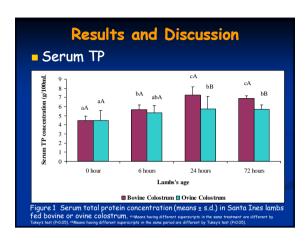


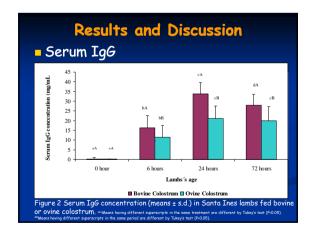


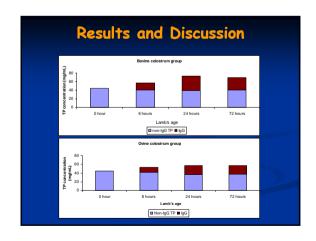
## Materials & Methods Colostrum Analyses: Ig6 quantification: RID Serum Analyses: Ig6 quantification: RID TP quantification: biuret reaction

## Materials & Methods Statistical Analyses: Completely randomized design Repeated measure-over-time scheme Body weight - covariable ANOVA - F test (PROCMIXED - SAS, 1999) Means comparison - Tukey's test (PROCMIXED - SAS, 1999)









## Conclusion Holstein bovine colostrum can be an alternative source of IgG for newborn Santa Ines lambs, with advantage, since bovine colostrum is naturally richer in immunoglobulins than colostrum from ovine