A total of 50.6% of the newborns were females. The average gestational age was 39.3 ± 1.1 weeks, with average weight at birth of 3114 ± 505 g. The prevalence of newborns with at least one abnormal hemoglobin was of 11.7%, with 8.6%-15.1% having a confidence interval of 95% (Table 2, Graph 2, Graph 3, Graph 4). No significant statistical differences were found regarding gender or the gestational age of the newborns with respect to the hemoglobin pattern.

Graph 1. Hemoglobin isoelectric focusing electrophoresis