

The Distribution of A1A2BO and RH(D) Blood Groups in the Buksa – A Primitive Tribe of Uttarakhand, North India

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ABSTRACT The present paper reports original blood grouping data on the A1A2BO and RH(D) blood groups in the Buksa – a little known primitive tribal population of India inhabiting districts of Dehradun, Udham Singh Nagar and Nainital in Uttarakhand state located in the Central Himalayas in North India. In the three regional Buksa samples studied here the incidence of the A1 + A2 blood groups was found to be consistently higher than that of B blood group. As for the allele frequencies, compared to *ABO*B*, *ABO*A1* frequency was noted higher in all the three Buksa groups. Infrequent allele *ABO*A2* was found lacking in the sample tested from Udham Singh Nagar district but was present in the Buksa of both Dehradun and Nainital districts, albeit in low proportions. As for the RH(D) blood groups in the present Buksa material, the incidence of the RH(D)- phenotype was found very low indeed (range 1.05 - 1.83%) and *RH*d* allele frequency was also noted in a rather low range (0.102 - 0.136). Thus, the present serological investigation has helped in genetically characterizing the Buksa tribe inhabiting three different districts of Uttarakhand.