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The invention relates to microbiological industry, in particular, alcology, especially to media for red alga Porphyridium cruentum cultivation.

The summary of the invention consists in the fact, that the proposed medium (variant 1) comprises KCl, NaCl, MgSO4. 7H2O, KNO3, K2HPO4, Ca(NO3)2.4H2O, KBr, KI, FeCL3.6H2O, ZnSO4.7H2O, CuSO4.5H2O, MnSO4, H3BO3, NaVO3, and MoO3 and the proposed medium (variant2), comprising KCl, NaCl, MgSO4.7H2O, NaNO3, K2HPO4, Ca(NO3)2.4H2O, KBr, KI, FeCl3.6H2O, ZnSO4.7H2O, CuSO4.5H2O, MnSO4, H3BO3, NaVO3, and MoO3 .

The technical result of the invention consists in the fact, that in the proposed medium (variant 1 and 2), the K and Na quantitative content is balanced.