Results of laboratory researches of viability of seeds of *Betonica officinalis* (L.) Kuntze are given. Seeds gathered in 1994 − 2011 from the collection plants introduced in the Botanical garden of the Saratov state university. The control batch of seeds was couched at the room temperature (22 − 25 °C) on light. Several options of preseeding processing of seeds have been applied: stratification (at +5 °C within two-three months), a skarifikation (by a mastication of seeds with coarse river sand), soaking in water (within a day), hormonal stimulation (in 0.02 % − number solution of growth stimulator "ЭПИН", during the 6th hour), oxygenation (3 % solution of peroxide of hydrogen, and also mix of 3 % solution of peroxide of hydrogen and 0.01 % solution of permanganate of potassium, within 3 min.). Dependence of indicators of viability on the quality of seeds connected with conditions of their maturing and lasting storages is noted. Within the first 0.5 − 1.5 years of storage energy of germination and viability reached 36 and 38 %, respectively, and in the next years decreased to 8 %. Positive influence of stratification and processing of peroxide of hydrogen on viability of seeds is established. Stratification of the seeds which have ripened in years, favorable on weather conditions, increased energy of germination to 41 – 85 %, viability – to 51 − 89 %. Processing by 3% solution of peroxide of hydrogen doubled viability almost.