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The invention refers to a process for preparation of the biocompatible hyaluronic acid for medical use.

Summary of the invention consists in obtaining the hyaluronic acid of human umbilical cord and purification thereof from non-protein impurities up to the stage of hyaluronic acid extraction. It is realised prepurification from the non-protein impurities by a method of integral umbilical cords dialysis into the 96% ethanol and -15...-20°C and thereafter into the physiological solution at 4°C, 24 hours each stage, after what the dialysis is repeated in the same conditions using the crushed umbilical cords of 2...4 mm up to obtaining the transparent solutions.

The result consists in improving the final product quality, simplifying the process for preparation of the biocompatible hyaluronic acid for external or parenteral use.