

The method of sorptional clearing of blood or plasma with the aim of removal of myoglobin and free hemoproteids is based on the employment of silicon-organic polymeric sorbent for extracorporeal blood cleaning. The polymer is synthesized from methyl triethoxysilan and tetraethoxysilan. The synthesis of silicon-organic polymer is performed by hydrolyzing the alcohol mixture of methyl triethoxysilan and tetraethoxysilan at a ratio (1-3): (1-7) by volume in the presence of acid catalyst (aqueous solution of hydrochloric acid). The hydrolysis continues for 1-2 hours at 20-35°C. The molar ratio of the mixture of silicon-organic compounds, water, acid catalyst, and ethanol is 1:(6.5-7.0):(0.04-0.05):(8-10). Then the mixture is treated by the alkali and the gel is left for maturation for 2.5-3 hours. Finally, the gel is minced, washed and dried at 80 -150°C.