

ADHESIVE COMPOSITION FOR USE IN AN IMMUNOSENSOR

ABSTRACT

An adhesive composition for use in devices and methods for measuring a presence or a concentration of a particular component, such as an antigen, in a sample, such as blood, are provided. In one exemplary embodiment of an adhesive composition, the composition includes an adhesive, water, a poloxamer, and an anticoagulant. The adhesive can include particular properties, such as being hydrophilic, pressure-sensitive, heat-activated, and/or water soluble. The adhesive is particularly useful because it can help improve the flow of sample a device. For example, when the device is an immunosensor, the adhesive can help prevent the blood from clotting in chambers of the immunosensor. This results in a more efficient and accurate determination of the concentration of the sample. Methods of making the composition and device in which the composition can be used are provided, as are methods of using the same.

Figure 1.