Device and method for detecting blood group antigens by means of an incomplete antibody

Abstract

The invention relates to a device for determining a cellular-bound analyte in a liquid sample, comprising a separation matrix with at least one indicator zone. The invention is characterized in that the indicator zone comprises a first antibody directed against the cellular-bound analyte or a fragment thereof and a binding element directed against the first antibody, the first antibody being an incomplete antibody. The separation matrix is preferably designed in the form of the membrane of a lateral flow assay device or as a gel matrix. In a particularly preferable manner, the device comprises a membrane (2) with a charging zone (5) for applying the liquid sample, at least one indicator zone which can interact with the cellular-bound analyte, and at least one absorption region (3) which absorbs the liquid after passing the indicator zone. The indicator zone lies between the charging zone (5) and the absorption region (3). The invention is characterized in that the indicator zone comprises an antibody directed against the cellular-bound analyte or a fragment thereof and a binding element directed against the first antibody, the first antibody being an incomplete antibody.

[No Suitable Figure]