

METHOD FOR PREPARING IMMUNOELECTRODE

5 The present invention discloses a method for preparing an immunoelectrode. The immunoelectrode includes a base layer, a gold layer, a conductive polymer layer and an antibody layer, and the base layer, the gold layer, the conductive polymer layer and the antibody layer are sequentially attached from bottom to top. The method for preparing an immunoelectrode includes the following specific steps: (1) preparation of a conductive
10 polymer layer: a polypyrrole layer is prepared on a gold-plated base layer to obtain polypyrrole/gold-plated base layer; (2) preparation of an immunoelectrode: an antibody layer is prepared on the polypyrrole layer to obtain antibody/polypyrrole/gold-plated base layer; and (3) formation of an immunoelectrode system: a bare gold-plated base layer is fixed to an outer side of the antibody/polypyrrole/gold-plated base layer to obtain the immunoelectrode
15 system. The polypyrrole material is used to fix a bio-recognition element antibody to immobilize same on the immunoelectrode; and since polypyrrole has excellent electrical conductivity, electron transfer on the electrode surface can be accelerated to improve sensitivity of the immunoelectrode.

20 (Fig. 9)