

FIG. 30 Upper electrode pads on the inner surface of the cover slip to reduce the voltage required for lateral transportation. Narrow gap between substrate and cover slip helps to reduce the vertical diffusion time

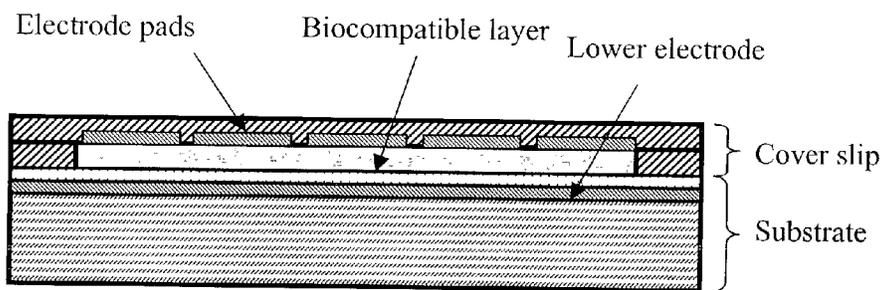


FIG. 31 Coating a conductive layer near the upper surface of the substrate helps to reduce the voltage required for vertical transportation of target molecules