

**MAGNETIC BEAD REMOVAL METHOD, DEVICE, AND
STORAGE MEDIUM
ABSTRACT**

The present disclosure discloses a magnetic bead removal method, device, and storage medium, including: placing a liquid bag with a curved flow channel on a magnetic platform, wherein a plane where the curved flow channel is located is above the magnetic platform and parallel to the magnetic platform; controlling a first flow control assembly to communicate the liquid bag with a sample container, thereby inputting a liquid containing immunomagnetic cells and non-magnetic immune cells into the curved flow channel from the sample container; performing a flattening operation on the liquid bag to increase a contact surface between a bottom surface of the curved flow channel and the magnetic platform, thereby adsorbing the immunomagnetic cells in the curved flow channel onto the contact surface through the magnetic platform; and performing a collection operation to collect the non-magnetic immune cells in the curved flow channel into a collection container. The present disclosure improves the uniformity of the flow velocity of the liquid in the liquid bag, enhances the utilization efficiency of the magnetic field, and achieves efficient and stable capture of the immunomagnetic cells.

Fig. 1