ABSTRACT

CAPTURING SPECIFIC NUCLEIC ACID MATERIALS FROM INDIVIDUAL BIOLOGICAL CELLS IN A MICRO-FLUIDIC DEVICE

Individual biological cells can be selected in a micro-fluidic device and moved into isolation pens in the device. The cells can then be lysed in the pens, releasing nucleic acid material, which can be captured by one or more capture objects in the pens. The capture objects with the captured nucleic acid material can then be removed from the pens. The capture objects can include unique identifiers, allowing each capture object to be correlated to the individual cell from which the nucleic acid material captured by the object originated.

FIGURE 2A