

FIG. 38 Microfluidic channels fabricated on cover slip to improve hybridization. Parallel channel design

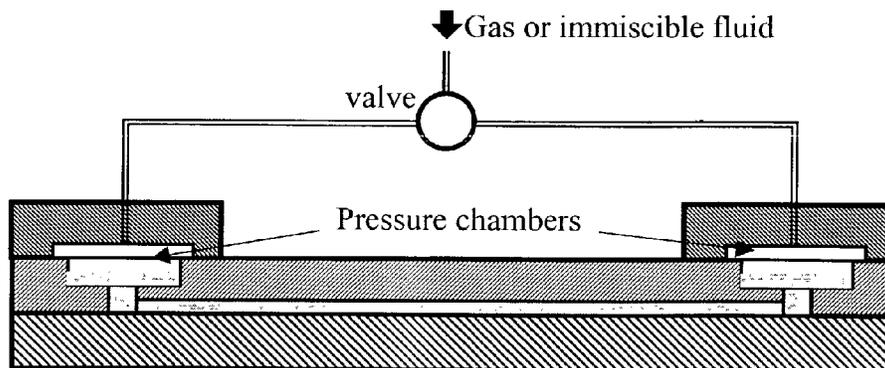


FIG. 39 External pressure chambers that forces the sample solution to flow back and forth through the microfluidic channels.