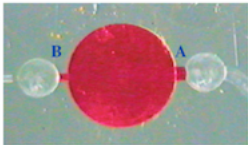
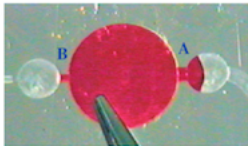


(a)



(b)



**Figure 4.** Capillary valving experiment. (a) Reservoir was filled with food dye and liquid was held by capillary valving at the end of channels A and B; (b) food dye was released through channel A but not through channel B. (Channel A was  $508\text{ }\mu\text{m}$  wide and  $508\text{ }\mu\text{m}$  deep; channel B was  $127\text{ }\mu\text{m}$  wide and  $63.5\text{ }\mu\text{m}$  deep.)