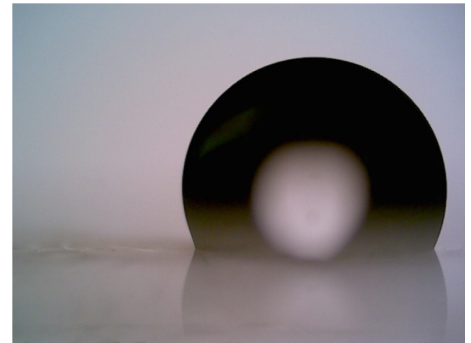
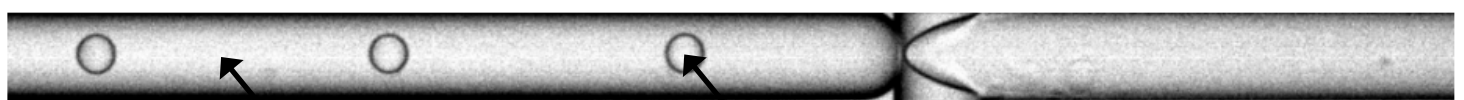
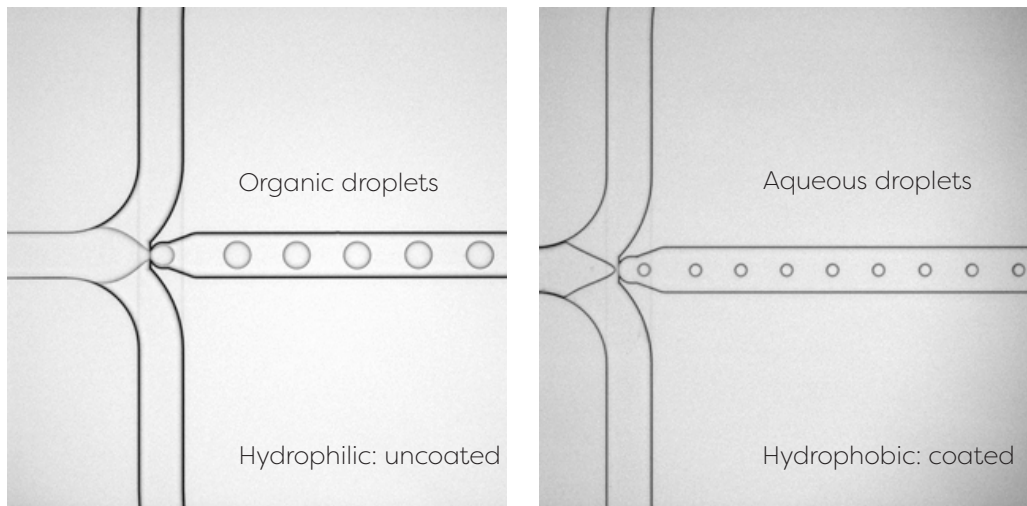


### Surface wetting properties

The contact angle between the fluids and the droplet generator surface is key for defining the stability of the wetting of the continuous phase. If the wetting is more preferential for the dispersed phase, then pinning of the droplets to the channel can occur. Our standard uncoated droplet generators are glass based, thus hydrophilic, and suitable for making organic droplets in an aqueous phase (oil-in-water droplets). We can also provide a coating which renders the surface of the droplet generators hydrophobic, thus suitable for making aqueous droplets in an organic phase (water-in-oil droplets). This coating is based on a fluorinated polymer and ensures the coated surface has a contact angle of more than 90° with water.



Hydrophobic surface coating



Continuous phase

Dispersed phase

