

### **Can I re-use the chips?**

Much like disposable cuvettes for DLS, we recommend that each chip is used just once. While the re-use of chips is not restricted, we can only vouch for the result obtained with the first use of each chip. This is because re-use increases the risk of introducing air into the system, as well as potential issues associated with protein adhesion and multiple actuations of the on-chip valve.

### **Do the proteins adsorb/adhere to the chips?**

The microfluidic chips are made from injection molded COC — this allows excellent reproducibility between batches.

There may be a small amount of sample loss associated with "stickiness" of proteins, which is sample dependent. Our chips are coated to minimize protein adhesion and reduce this risk.

### **How flexible is the chip design? Can you change it?**

The layout of the disposable chips is fixed due to the prohibitive cost of a new injection mold tool.

We do have chip prototyping capabilities however, and we're always open to discussing potentially novel and innovative applications of our technology. Please **contact us** if you have a specific requirement and we will be happy to discuss.

### **Does the auxiliary buffer change according to which protein is being run?**

No. The flow rate is changed when the protein size is selected as you begin a measurement, but the auxiliary fluid is supplied with the reagent cartridge and remains the same.

If you would like to discuss custom reagent cartridges that include your auxiliary fluid of choice please **contact us**.

### **How do I change the reagent cartridge?**

One cartridge contains enough reagents to run approximately 96 measurements which is equivalent to 4 chip boxes. The percentage remaining is indicated in the top right of the instrument display. Changing the cartridge takes a few minutes and does not require any special tools.

The exact protocol may vary depending on the software version of your instrument — check the **user manual** for full instructions on how to perform the change.

Reagent cartridges are disposable and should not be re-filled.