

## Using BladeCell Disposable Cuvettes

Unchained Labs, supplies 5 $\mu$ l BladeCell disposable sample cuvettes with every pUNk system. Each BladeCell is precision moulded in black polycarbonate material and cleaned prior to packing. The patent-pending design can be used in the pUNk as a direct replacement for traditional quartz non-disposable sample cuvettes.

### Sample Preparation

No special preparation is required beyond normal procedures recommended for DLS. Filtration is not required, however it is advisable to centrifuge to reduce the possibility of dust contamination affecting the measurement.

### Filling the BladeCell

5 $\mu$ l of sample is simply pipetted directly against the walls of the liquid trap where it is retained by surface tension alone.



### Making a Measurement

The prepared cuvette is placed into the temperature controlled sample holder of the pUNk system, where it can be analyzed by DLS in seconds. When the measurement is complete, the BladeCell may be removed.

### Sample Recovery

The sample is recovered by simply dipping the pipette tip into the liquid trap and removing the contents. The BladeCell may now be disposed.

### Summary

The BladeCell is a ground breaking innovation making very low volume batch DLS measurements easier and more convenient than ever before. Unlike quartz cuvettes, which have to be cleaned, there is no risk of cross-contamination.

BladeCells and the pUNk are only available from Unchained Labs.