

ARIA FUSION – MID-SORT FLOW CELL FLUSH PROTOCOL

*This protocol is to be performed at 30 to 40-minute intervals between sorting or any time sample event rate begins to slow indicating a clogged sample line.

Starting/stopping the stream: Progress status of the fluidics action is indicated in the **Cytometer window (??) . Always ensure it is fully complete before carrying on.

1. Once Sample is removed and sort has been stopped, record/note any sort information you may need prior to Mid-Sort Flow Cell Flush (ex. Sorted cell numbers, as they will not resume count once you load a different sample).
2. **Backflush sample line for 1 minute** (Cytometer Menu > Cleaning Modes).. This step is to remove the majority of sample from the sample line.
3. **Turn off Stream, install CLN (Closed Loop Nozzle).**
4. **Perform 2x, Clean Flow Cell with 3ml 10% bleach** (Cytometer Menu > Cleaning Modes).
5. **Remove CLN, Start Stream, load a tube of 10% bleach and run for 1 minute at Flow Rate 11.**
6. **Backflush sample line for 30 seconds to remove bleach.**
7. **Turn off Stream, install CLN**
8. **Perform 1x, Clean Flow Cell with 3ml 1.5% Citranox** (Cytometer Menu > Cleaning Modes).
9. **Remove CLN, Start Stream, load a tube of 1.5% Citranox and run for 2 minutes at Flow Rate 11.**
10. **Backflush sample line for 30 seconds to remove Citranox.**
11. **Turn off Stream, install CLN**
12. **Perform 2x, Clean Flow Cell with 3ml MQ DiH2O** (Cytometer Menu > Cleaning Modes).
13. **Remove CLN, Start Stream, load a tube of MQ DiH2O and run for 2 minutes at Flow Rate 11.**
14. **Turn off Stream, dry inside of the sort block and voltage plates with a kimwipe.**
15. **Install 100um nozzle, Turn on Stream, Turn on Sweet Spot, Resume sort.**