## **FCS GENERATOR WORKFLOW**

## **UI - User Interaction Flow Folder Description** Home Page Tutorial Page Generator Page Choose file and upload [2 folders] FCS folder contain the .fcs files of each plate FCS\_136 FCS\_237 FCS\_107 Upload FCS folder Upload Primer Index Folder Merge Process Machine Process Diagram - Back End API (python) upload fcs folder get primer index folder get fcs folder FCS\_136 FCS\_237 FCS\_107 parse & analyse .fcs files Back-end - Process parse and merge (std) parsed + analyse each fcs files in FSC folder merge primer index folder and fcs folder Merged by Column Merged by Column return: 1 final merged xlsx file Merged by Column Output final merged files C136\_primer+fcs C237\_primer+fcs C107\_primer+fcs Automatically download to user's local machine ALL PLATES FINAL SHEET