

Figure S1: Flowchart of experimental treatments to evaluate filtration background. The treatment was carried out in the order of the numbers in parentheses.

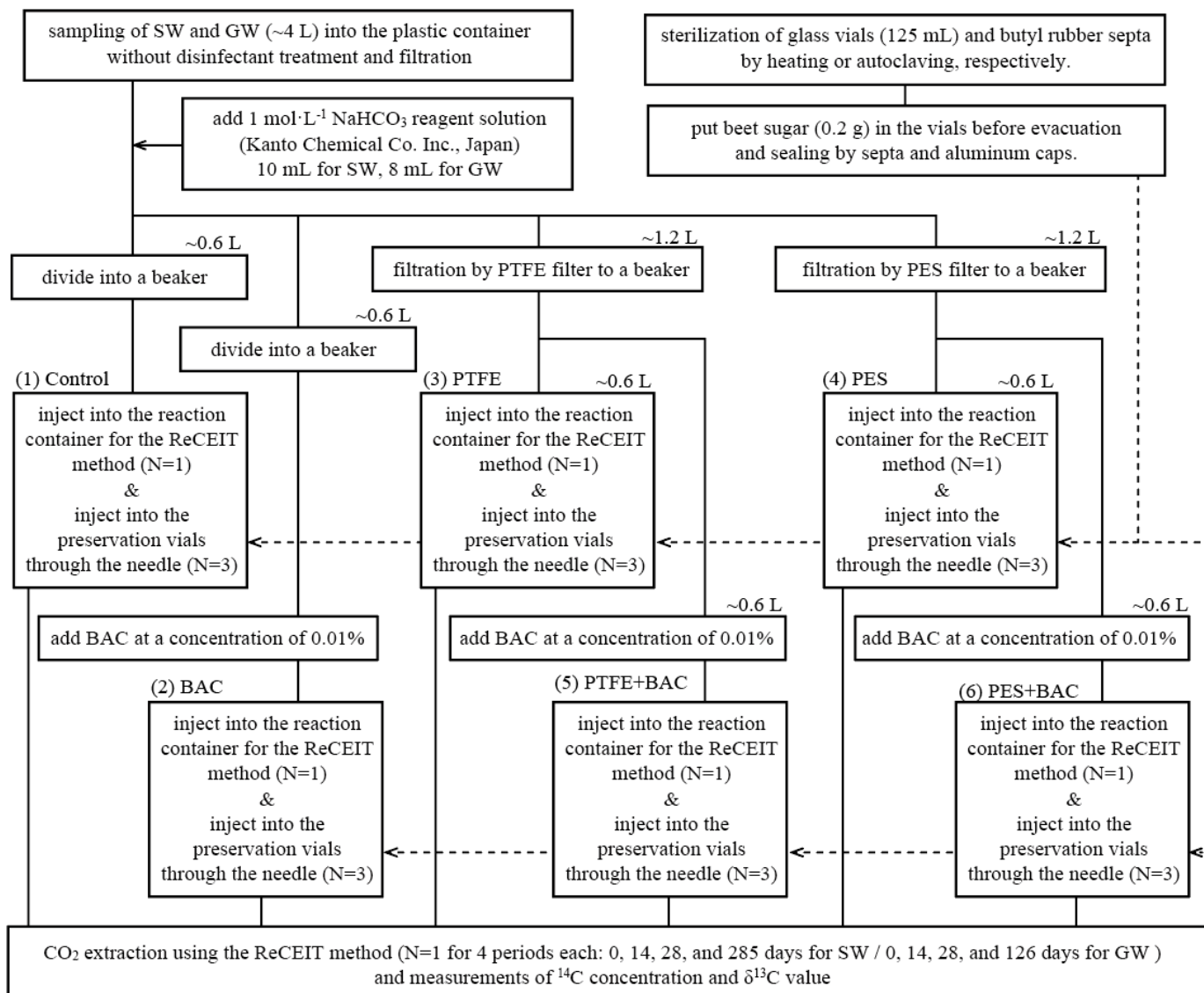


Figure S2: Flowchart of experimental treatments to evaluate six treatment comparison.

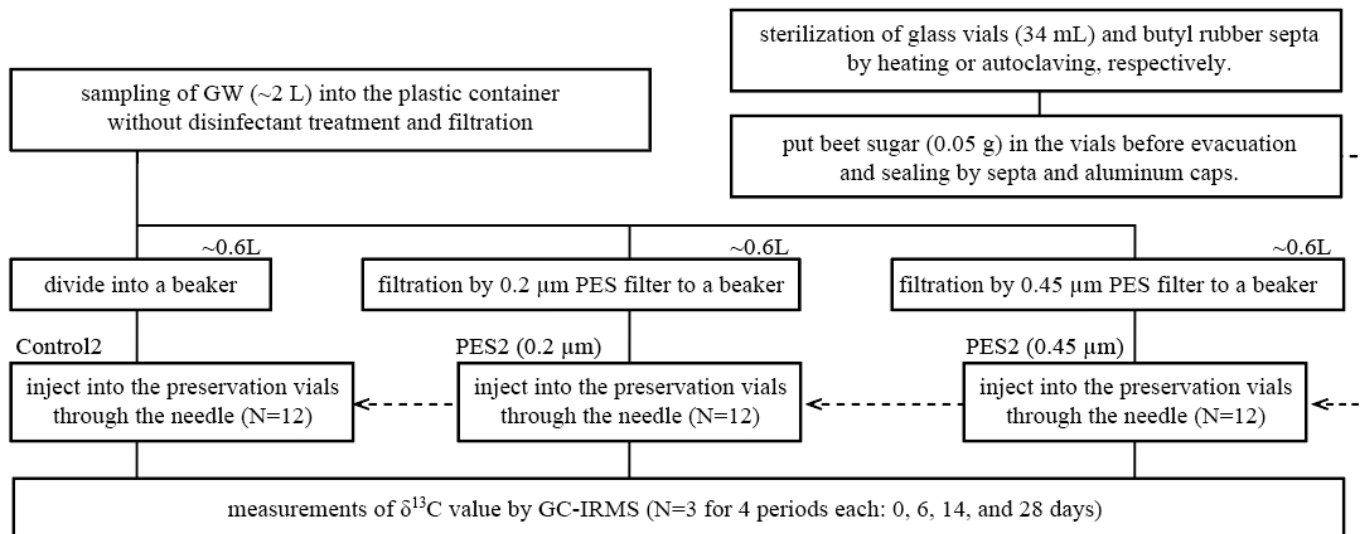


Figure S3: Flowchart of experimental treatments to evaluate filtration by sterilized filter.