

# Sample preparation guidelines

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1. Samples have to be filtered through a 40  $\mu\text{m}$  cell strainer to prevent clogging of the nozzle.
2. For standard sorts, a concentration of 10 million cells/ml is recommended (3-20 million cells/ml is the tolerable range for sorting).
3. Final cell yield is dependent upon many factors: starting percent of target population, total number of live and dead cells in the sample, cells stickiness, etc.
4. For improved cell yield, collection tubes can be pre-blocked overnight with media containing 10% FCS. The use of polypropylene instead of polystyrene tubes for collection can help to reduce cell stickiness.
5. Use of antibiotics in the collection media is recommended to prevent contamination but requestors should determine whether it is appropriate based on its effect on the sorted cell population.