Isolating Splenocytes for Flow Cytometry

Intact splenocytes can be removed efficiently and without mincing as follows. Small holes are made in one end of the spleen with a 22GA needle. A filled 10cc syringe with a 22GA needle is inserted into the opposite end of the spleen and PBS is slowly introduced. The syringe is refilled and the process repeated (3 times at most for mouse spleens) until most cells were expressed and spleens were whitish in color. Tissue and cells can be kept in a small petri dish on ice for the entire procedure.

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Lymphocyte phenotypes in wild-caught rats suggest potential mechanisms underlying increased immune sensitivity in post-industrial environments

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