



A good starting point for each sample type would be to dilute as follows:

Bone Marrow Aspirate (BMA) Dilution Instructions

BMA starting at about 24E6 Cells/mL - Dilute 1:2 into Phosphate Buffered Saline (PBS) or normal saline for an approx concentration of 12E6 Cells/mL, and then dilute 1:10 into Solution 17 and incubate at 37C for 10 min for a final expected concentration of 1.2E6 cells/mL. Final dilution of the sample is 1:20, further dilution may be necessary depending on the sample.

Bone Marrow Concentration (BMC) Dilution Instructions

BMC starting at around 120E6 Cells/mL - Dilute 1:10 into Phosphate Buffered Saline (PBS) or normal saline for an approx concentration of 12E6, and then dilute 1:10 into Solution 17 and incubate at 37C for 10 min for a final expected concentration of 1.2E6 Cells/mL. Final dilution of the sample is 1:100, further dilution may be necessary depending on the sample.

These dilution instructions serve as starting points as you may find your samples are just fine after diluting here, but you may also notice a significant amount of debris which may make analysis more difficult in which case a further dilution may help clear things up. For any further dilution you would want to dilute with additional PBS or normal saline prior to the addition of Solution 17.

