The Benzidine Stain:

14.6 ml acetic acid
485.4 ml distilled H2o
1 gram benzidine dihydrochloride

Mix above ingredients and keep in a foil covered container in fridge.

For the stain:

1 ml above mixture

Mix equal amounts above dilution with liquid volume of cells

Add 1 drop H2O2 (2% = 5 ul/200 ul)

1-2 minutes RT

Blue staining visible on a hemocytometer = Hemoglobin

Do not wash cells before benzidine staining