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Product Datasheet

NM-LYSE: Flow Cytometry Lysing Solution NMB-GAS-003

Article Name	NM-LYSE: Flow Cytometry Lysing Solution
Biozol Catalog Number	NMB-GAS-003
Supplier Catalog Number	GAS-003
Alternative Catalog Number	NMB-GAS-003
Manufacturer	NordicMubio
Category	Sonstiges
Application	FC
Product Description	Flow cytometric analyses with monoclonal antibodies were so far restricted to leukocyte populations, which had been separated from erythrocytes before staining and/or analysis. Instead, whole blood staining methods allow for a rapid and accurate dete...
Buffer	NM-LYSE can be applied in wash- or no-wash lysing procedures with whole blood or bone marrow samples. NM-LYSE is a premixed, ready to use lysing solution fomulated for lysing erythrocytes following monoclonal antibody staining of whole blood. Treatment wi

Application Notes

Biological fluids (blood, bone marrow, and others) must be collected under sterile conditions. Anticoagulation with EDTA or heparin is recommended. The samples should be stored at room temperature until used. For optimal results, samples should be processed and analyzed within 24 hours. Samples with high numbers of non-viable cells might cause false results, such cases require determination of cell viability with e.g. propidium iodide. All biological samples have to be handled with caution. Always consider them as potentially infective. Use appropriate precautions such as gloves, lab-coat, etc.

No-wash staining and lysing procedure

For each sample add 50 µl of EDTA anti-coagulated blood to a 3-5 ml tube Add 20 µl of the appropriate Nordic-MUBio monoclonal antibody conjugate Incubate the tube for 15 minutes at 4°C or at room temperature in the dark Add 100 µl NM-LYSE to each tube and incubate for 10 minutes at room temperature Add 1 ml of distilled water and vortex, incubate for 5-10 minutes at room temperature Analyze immediately or store samples at 2-8 °C in the dark and analyze within 24 hours

Wash staining and lysing procedure

For each sample add 50 µl of EDTA anti-coagulated blood to a 3-5 ml tube Add 20 µl of the appropriate Nordic-MUBio monoclonal antibody conjugate Incubate the tube for 15 minutes at 4°C or at room temperature in the dark Add 100 µl NM-LYSE to each tube and incubate for 10 minutes at room temperature Add 3-4 ml of distilled water and vortex, incubate for 5-10 minutes at room temperature Centrifuge tube for 5 minutes at 300 g Aspirate supernatant and resuspend pellet in 0.3 ml of sheath fluid Analyze immediately or store samples at 2-8 °C in the dark and analyze within 24 hours NM-LYSE is designed for use with all commercially available flow cytometers. Alignment and compensation should be performed according to manufacturer's instructions.