

Removal of Erythrocytes in Cytology FISH samples:

In case of blood or bone marrow smears an additional step to remove the erythrocytes has to be performed:

Preparatory Steps:

- *Prepare methanol: glacial acetic acid: Mix 3 parts of methanol with 1 part glacial acetic acid.*
- *Prepare 2x SSC*
- *Prepare blood or bone marrow smears according to standard cytogenetic methods. Please refer to: The ACT Cytogenetics Laboratory Manual. 2nd ed, Bew TirjL Raven Press; 1991.*
- *Air dry slides and store slides at -20°C until use.*

Protocol:

- Before use incubate slides for at least one night in 70% Ethanol at -20°C.
- Air-dry slides.
- Incubate slides in Methanol:Glacial acetic acid at room temperature 2 times for 4 min.
- Air-dry slides.
- Start FISH Cytology Implementation Kit protocol by incubating slides in 2x SSC at 73°C for 2 min followed by the pepsin digestion.

From our experience it can be useful to increase denaturation temperature from 72°C (as stated in the protocol) to 75°C.