

WRIGHT-GIEMSA STAIN METHOD to identify fused cells post electrofusion

FIXATION:

Immediately after fusion, streak a thin smear across a sterile slide by means of a second slide or cover glass. Air-dry quickly.

STAINING:

1. Place 1.0 ml of the Wright-Giemsa Stain upon the smear, in sufficient quantity to cover the entire surface, for 3-4 minutes.
2. Add 2.0 ml distilled water or Phosphate Buffer pH 6.5 and let stand twice as long as in step 1.
3. Rinse stained smear with water or the Phosphate Buffer pH 6.5 until the edges show faintly pinkish red.
4. The film is allowed to dry in the air. The preparation may be blotted gently to hasten drying.
5. Permanent mounts can be made with mounting medium.

IMAGING

Evaluate the fusion rate based on the number of fused and unfused cells in the population.