

The influence of serum-supplemented culture media in a transwell migration assay.

ABSTRACT

Our work cautions against the use of serum-supplemented culture media in a transwell migration assay when using chemoattractants other than FBS. At 24 h, a 5% foetal bovine serum (FBS) gradient caused BV2 microglia to migrate toward the lower compartment of the transwell apparatus. Interestingly, FBS-supplemented media in the absence of a gradient also resulted in notable microglia migration. Serum can therefore confound the interpretation of a transwell migration assay when another chemoattractant is used.

Keyword : BV2 microglia; Chemoattractant; Serum; Transwell migration assay.