

ELIMINATION OF FETAL CALF SERUM (FCS) IN INDUSTRIAL CELL CULTURE MEDIA FOR MANUFACTURING OF DIAGNOSTICS ANTI-BODIES

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Here we demonstrate the suitability of different substitutes for the use of fetal calf serum (FCS) in cell culture media. Due to decreasing availability of FCS on the global market whilst growing demand of cell culture media to support Anti-body production for more than 200 different invitro-diagnostic kits media development efforts had to be taken. A benchmark of different substitutes, such as NBS (new born serum), human thrombocytes lysate, and chemically defined media (CDM) will be presented. Case studies from lab scale (10Ltr) up to full production scale (2,000Ltr) will be shown.