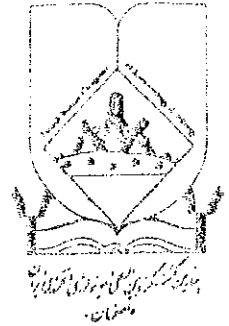


چهارمین کنفرانس بین‌المللی ایمونولوژی و آلرژی ایران  
دانشگاه علوم پزشکی اصفهان  
۲۳ لغایت ۲۵ اردیبهشت ۱۳۷۷



The Fourth International Congress of Immunology  
& Allergy, Iran, Isfahan 13-15 May, 1998

Title : Effects of Enzymatic Treatment on Mononuclear (MNC) Surface Marks.

Authors : D. Amani - Z.M.Hassan

1- Ardabil Uni. of Med. Sci. 0451-24202

2- Tarbiat Modarres Uni. of Med. Sci. Tehran

Enzymatic digestion is common method for isolation of cells from tissues.

When we use this method the first question is that : what is the effect of enzyme on cell surface markers? For this reason we examine the effect of collagenase and DNAase on cell surface markers.

These two enzymes commonly are used in researchs. We studied CD45, CD16, CD14 and HLA-DR markers in this work . In this study we use flow cytometry and fluorescein Isothiocyanat (FITC) and R-Phycoerythrin (R-PE) conjugated monoclonal antibodies.

Our results showed that enzymatic treatment has no effect on cell viability ( $p > 0.05$ ).

Also enzymatic treatment decrease the levels of CD45 , CD16 , CD14, HLA-DR markers but this decrease is not statistically significant ( $p > 0.05$ ). The maximum decrease are seen about CD14 markers.

آدرس: اصفهان: دبیرخانه کنفرانس: دفتر روابط بین‌المللی و سیمینارها دانشگاه علوم پزشکی و خدمات بهداشتی - درمانی  
استان اصفهان کد پستی: ۸۱۷۲۵ صندوق پستی ۲۱۹ تلفن: ۲۲۲۵۵ و ۲۲۲۱۹۹ فاکس: ۰۳۱-۲۲۶۴۵۰

Address: Secretariate-Bureau of International Scientific Affairs - Isfahan Univ. of Med. Sciences  
Post Code: 81745 - P.O Box: 319 Tel: 222550-222199 Fax: 031-226450