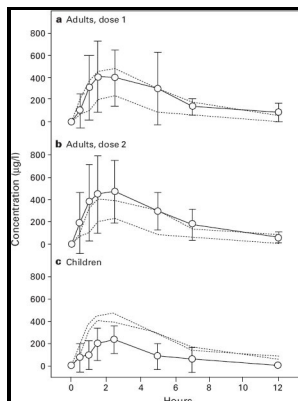


# Fluorescence immunoassay for cyclosporin A

- - Pharmacokinetics of two cyclosporine formulations using FPIA and HPLC assay in volunteers



Description: -

-Fluorescence immunoassay for cyclosporin A

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Notes: Thesis (Ph.D.) - Loughborough University of Technology, 1991.

This edition was published in 1991



Filesize: 31.85 MB

Tags: #Pharmacokinetics #of #two #cyclosporine #formulations #using #FPIA #and #HPLC #assay #in #volunteers

## Abbott's fluorescence polarization immunoassay for cyclosporine and metabolites compared with the Sandoz RIA

Such fluorescein derivatives include, but are not intended to be limited to, fluoresceinamine, carboxyfluorescein, alpha-iodoacetamidofluorescein, 4'-aminomethylfluorescein, 4'-N-alkylaminomethylfluorescein, 5-aminomethylfluorescein, 6-aminomethylfluorescein, 2,4-dichloro-1,3,5-triazin-2-yl-aminofluorescein DTAF, 4-chloro-6-methoxy-1,3,5-triazin-2-yl-aminofluorescein, and fluoresceinisoithiocyanate. In both transplantation centers, higher relative metabolite concentrations were observed at lower parent concentrations.

## ANALYTICAL EVALUATION OF TDx CYCLOSPORINE and METABOLITES FLUORESCENCE POLARIZATION IMMUNOASSAY and COMPARISON WITH THE CYCLO-TRAC RIA KIT, *Journal of Clinical Pharmacy & Therapeutics*

The basic competitive reaction may be but a part of a more complex assay such as double antibody immunoassay in which a second antibody, specific to the first antibody, causes precipitation upon binding first antibody bound labeled cyclosporin. Although the measurement of cyclosporine independently from its metabolites is desirable, there is also the need for assays that measure the metabolites as well as the parent drug Donnelly, et al.

## CiteSeerX — Monitoring Cyclosporine in Liver

Conversely, if the antibody does not recognize the tracer compound, no signal other than any background signal can be detected and no measurement of analyte can be accomplished.

## A modified fluorescence polarization immunoassay method incorporating fat emulsion (FE)

Depending on indications for use, assay methodology, and test performance compared to currently marketed devices, additional studies, including clinical studies, may be appropriate. The reaction was stirred at room temperature for 1 day.

## Cyclosporine monitoring by fluorescence polarization immunoassay

The organic layer was dried over anhydrous  $\text{MgSO}_4$ , filtered and concentrated. The mean of  $t_{\text{max}}$  also showed 11. In contrast, when application to a new analyzer does include changes in reagents, sample treatment or procedure, a method comparison study including HPLC should be included in the protocol for the add-to and results should be included in the labeling.

#### **Evaluation of the therapeutic range of whole blood cyclosporin concentration in the treatment of psoriasis — Kyushu University**

Despite the possible role of CsA metabolites in immunosuppression and toxicity, the consensus among clinicians and laboratorians is that specific methods for measuring the parent drug only should be used. This article is cited by 12 publications. Role of lipoproteins and erythrocytes in the in vitro binding and distribution of cyclosporin A in the blood.

#### **[PDF] Therapeutic Monitoring of Cyclosporine \* f**

Cyclosporin does not possess any amino acids that can be readily iodinated by substitution methods. The method of claim 1 wherein the antibody bound labeled cyclosporin is substantially precipitated by reaction with a second antibody specific to the antibody of the antibody bound labeled cyclosporin.

#### **CiteSeerX — Monitoring Cyclosporine in Liver**

Oldhafer KJ, Schumann G, Wonigeit K, Oellerich M, Ringe B, Pichlmayr R.

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