

P71. DETERMINATION OF PETHIDINE IN URINE AND ITS RECOVERY EFFICIENCY

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The number of criminal cases has been increasing related drugs such as prescribed drugs, legal highs, illicit and new synthetic psychotropic contents.

Aldolan, containing Pethidine HCl, is a synthetic opiate with a phenyl piperidine structure and still have been used as an analgesic especially in severe surgery, amputation and birth pain.

It is known that it has an abuse potential especially in medical staff and patients with a history or tendency of substance abuse, since the drug has been used as a therapeutic agent and easily accessible. The abusers are administered Aldolan continuously with fake complaints and try to provide the drug from different pharmacies even in different cities. It should be investigated whether the related person use the drug for misuse or treatment.

The aim of this study is to determine the pethidine concentration in urine in the case of pethidine abuse.

The concentration of the drug and its metabolites in urine may be important to distinguish between the therapeutic and abused dose. In this study the detection of pethidine in urine sample will be presented with different extraction methods and recovery as extraction efficiency.