

Supporting high accuracy
IVD assay development?

We I.V.DO that™

Medix Biochemica

Supporting commercial assay development with high-quality reagents for monitoring Drugs of Abuse

The need for drug testing

Drugs of abuse testing is conducted for medical purposes, such as to confirm accidental intake or monitor detoxification within a drug rehabilitation program. It is also performed for legal reasons, including pre-employment screening, during child custody cases, and when checking professional athletes for illicit substance use.

Procedure

Of the various types of tests that are performed, enzyme-linked immunoassay (ELISA), lateral flow immunoassay (LF), fluorescence immunoassay (FIA), cloned enzyme donor immunoassay (CEDIA), and enzyme multiplied immunoassay technique (EMIT) are among the most common. These are mainly used for analyzing samples such as urine, saliva, or blood, although a limitation of these materials is that they typically exhibit a detection window of just a few days. For this reason, hair samples, which have a detection window of several months, are increasingly being used.

Validation is key

Whatever the target analyte, assay platform, or chosen sample type, data accuracy hinges on using high-quality reagents that have been validated for the application and biomaterial in question. Where such products will go on to form the basis of IVD tests, they should demonstrate exceptional batch-to-batch consistency and be available in scalable supply.



High accuracy testing for drugs of abuse

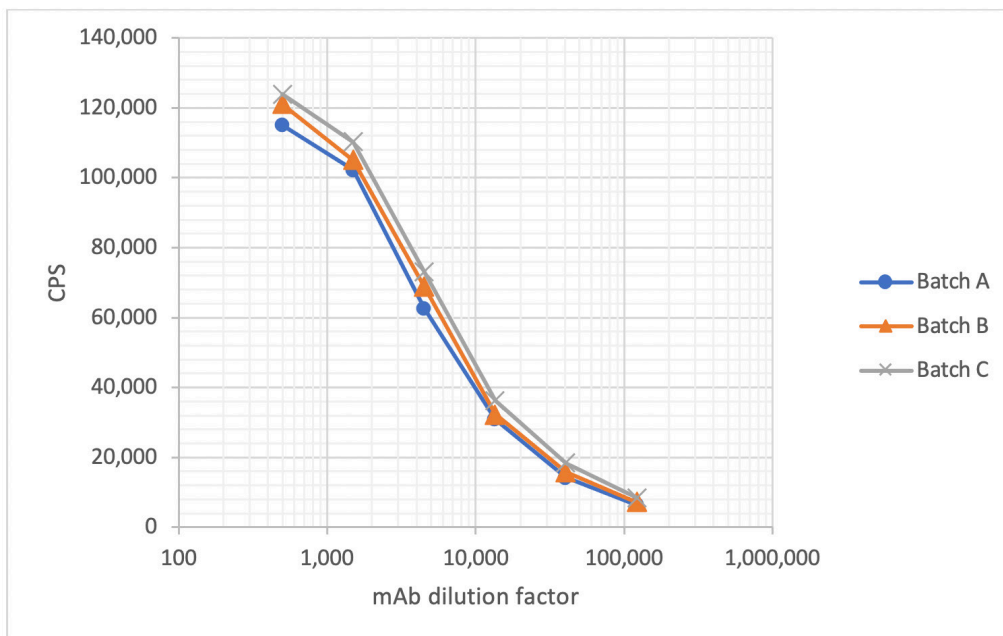
Medix Biochemica Group offers a broad selection of products for drugs of abuse testing, including antibodies, antigen conjugates, and drug positive/drug negative biospecimens. With almost fifty different drugs of abuse covered by our portfolio, we enable accurate detection of substances such as:

- Amphetamine
- Benzoyllecgonine
- Cannabinoid (THC)
- Fentanyl
- Methamphetamine
- Morphine

Our drugs of abuse reagent offering includes recommended antibody-antigen matched pairs for ensuring highly specific analyte detection, while our range of antigen conjugates includes analytes labeled with bovine serum albumin (BSA), horse-radish peroxidase (HRP), and bovine thyroglobulin (BTG). In addition, our biospecimens represent essential tools for validation studies, with our THC +/- hair, saliva, and urine being among our most popular products.

Expert advice for your IVD assay development

Being able to perform *in vitro* diagnostic (IVD) testing for drugs of abuse is by far the most efficient way of attaining results. Medix Biochemica Group is a global, market-leading supplier to the IVD industry, meaning you can count on us for key raw materials, backed by expert technical support. Whether you're developing a test for a performance enhancing drug or manufacturing a product for routine workplace surveillance, contact us today to discuss how we can help bring your product to market sooner.



Three manufacturing batches of mouse monoclonal Cannabinoid (THC) Antibody (catalogue number 100892) demonstrated excellent batch-to-batch consistency when tested in time-resolved fluorescence immunoassay using Europium-labeled THC-BSA conjugate for detection (catalogue number 170044).

To discuss how we can help deliver on your goals, contact us today: sales@medixbiochemica.com