



## Benzodiazepine [BSA] (DAG408)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Benzodiazepine-Bovine Serum Albumin (BZO-BSA) Conjugate
<b>Species</b>	N/A
<b>Conjugate</b>	BSA
<b>Applications</b>	Specific methodologies have not been tested using this product.
<b>Format</b>	Liquid
<b>Concentration</b>	1 mg/mL
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.2
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

<b>Introduction</b>	<p>Benzodiazepine is the most widely prescribed anxiolytic drug and is used extensively as an anti-anxiety agent, a hypnotic, a muscle relaxant and an anti-convulsant. Benzodiazepine is usually taken orally, or by intravenous or intramuscular injection. High dose abuse of benzodiazepine can result in drowsiness and confusion, and potentiates alcohol and other CNS depressant drugs. Benzodiazepine is metabolized in the liver and excreted in urine. Benzodiazepine and its metabolites are the primary urinary markers for detecting benzodiazepine use. The Benzodiazepines Screen Tests are a rapid, visual, lateral flow, competitive immunochromatographic assay for the qualitative detection of benzodiazepine and its metabolites in human urine. These in vitro diagnostic screening tests are based</p>
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immunoassay principles designed specifically for the assay and identification of benzodiazepine and its metabolites at the cut-off level of 300 ng/ml or higher, as set by SAMHSA.

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**Keywords**

Benzodiazepines; BZO; benzodiazepine; benzo; BZD

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