

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to benzodiazepines (benzo)
SMA Covered	benzo.1D7; 1G3, 1G5, 1H5, 5A7, 5D3, 5D11, 10G10
Introduction and Production Description	The measurement of benzos is useful as part of general drug screening. The benzo family of drugs is sizeable and human samples contain the parental drug and a complex mix of metabolites.

Manufacturing Specification (both SMAs)

Parameter	Specification	Test Method
Buffer and pH	PBS +0.1% Sodium azide at 7.2-7.4	pH Meter
Antibody Concentration	1-3 mg/mL	A280 (E _c = 1.4)
Purity and Aggregates	Single Main Peak ≥90%	Size Exclusion HPLC
Immunological Activity	±20% biological activity of frozen reference standard	In house ELISA

IMMUNOGENS:

Chlorazepate-3-CO-X	1G5, 1H5, 5D3, 5D11, 10G10
Lorazepam-3-CO-X	1G3
Temazepam-3-CO-X	1D7

ELISA DATA: Free Benzo and Metabolite Affinities

Please e-mail info@bioventix.com for detailed ELISA data