



HAMA Diagnostic Reference Panel

(Catalog No. HM-6111)

For Investigational Research Use Only

Application Notes: Heterophilic Anti-Mouse Antibodies (HAMA) are endogenous antibodies in patient sera which can interfere in two site immunometric assays using murine monoclonal antibodies. The resulting interference can result in false positive results. Recently, manufacturers have been adding non-specific mouse immunoglobulin to their assay kits to absorb HAMA and prevent interference, but this approach may not always be enough to prevent HAMA interference in all samples - especially in high concentrations. The ZeptoMetrix Corporation HAMA **Diagnostic Reference Panel** can be utilized to determine if patient sera containing Human Anti-Mouse Antibody can cause interference in the target assay. **Our Panel contains 15 samples of known HAMA concentration developed from a series of dilutions from a stock pool of high positive human plasma.**

Panel Member	*EIA O.D.	*EIA O.D.	*EIA O.D.	*EIA O.D.	*EIA	*EIA	*EIA	**IRMA
	Rep #1	Rep #2	Rep #3	Mean	S.D.	C.V.	ng/mL	
HM6111-01	3.076	3.240	3.260	3.192	0.101	3.16	>160.0	1281
HM6111-02	2.260	2.758	2.366	2.461	0.262	10.66	>160.0	843
HM6111-03	0.802	0.776	0.759	0.776	0.023	2.97	49.7	109
HM6111-04	0.474	0.507	0.683	0.514	0.044	8.54	30.8	105
HM6111-05	0.531	0.648	0.566	0.582	0.060	10.32	35.7	114
HM6111-06	0.846	0.967	0.784	0.866	0.093	10.75	56.2	137
HM6111-07	0.444	0.373	0.386	0.401	0.038	9.43	22.6	22
HM6111-08	0.403	0.448	0.336	0.396	0.056	14.24	22.2	22
HM6111-09	0.906	1.105	1.148	1.053	0.129	12.26	69.8	149
HM6111-10	2.226	2.537	2.134	2.299	0.211	9.19	>160.0	780
HM6111-11	1.804	1.914	1.572	1.763	0.175	9.90	121.3	574
HM6111-12	0.804	0.888	0.722	0.805	0.083	10.32	51.8	146
HM6111-13	0.358	0.481	0.403	0.414	0.062	15.03	23.5	29
HM6111-14	0.211	0.220	0.236	0.222	0.013	5.70	9.6	<20
HM6111-15	0.329	0.260	0.347	0.312	0.046	14.72	16.1	<20

All sera tested and found to be nonreactive for HBsAg, HCV, and HIV 1/2

*EIA Assay: Alpco Diagnostics (HAMA) Assay Date: 09/18/01 Standard Lot: T 6179 Dil Lot: T 6755 Microstrips Lot: T 6312 Kit Lot: F 782 Exp: 02-02
 **IRMA Assay: Scantibodies Lot# F31B