

PRODUCT DATA SHEET

Product Data Sheet:	Sheep Monoclonal Antibodies (SMAs) to testosterone (testo)
SMA Covered	testo3.3C11 and testo3.6A3
Introduction and Production Description	Immunoassays for testosterone used in the female range can suffer from poor precision as reported by Taieb et al. in 2003. High affinity antibodies can be used to facilitate assays that have improved correlation with reference methods.

Manufacturing Specification (both SMA's)

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 (Ec = 1.4)
Purity and Aggregates	Single Main Peak \geq 90%	Size Exclusion HPLC
Immunological Activity	\pm 20% biological activity of frozen reference standard	In house ELISA

ELISA DATA: Conjugate Reactivities

	Testo3.3C11	Testo3.6A3
Testo-3-BSA	Yes	Yes
Testo-6-BSA	No	Yes
Testo-19-BSA	Yes	Yes

ELISA DATA: Free testo Affinity and Androgen Cross-Reactivities (XR)

	Testo3.3C11	Testo3.6A3
testo affinity (IC50%)	100 pg/mL	30 pg/mL
Androstenedione XR	<1%	3%
Stanolone XR	3%	3%

Note: testo3.6A3 has been used successfully to facilitate testosterone immunoassays capable of overcoming the problems with such assays as described by [Taieb et al. Clinical Chemistry 2003; 49\(8\):1381-95.](#)