

## MARIA<sup>®</sup> Universal Allergen Standards

### Product Code: ST-UAS

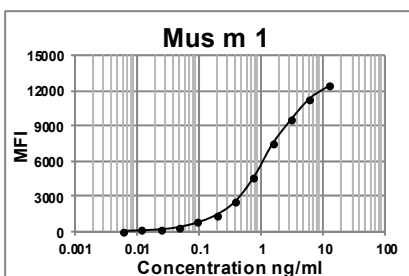
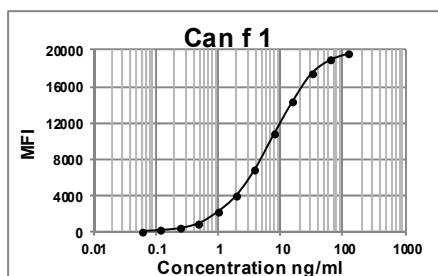
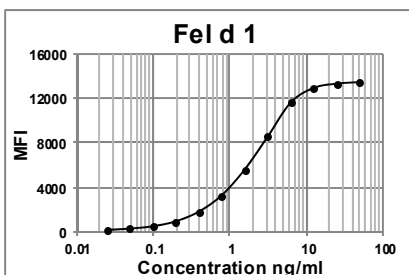
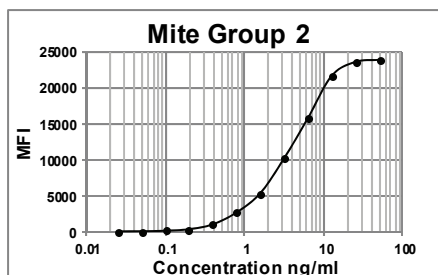
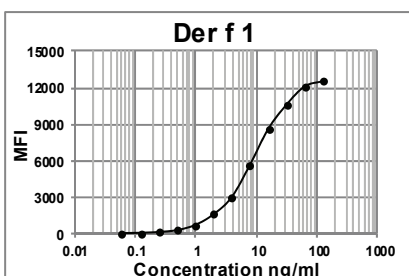
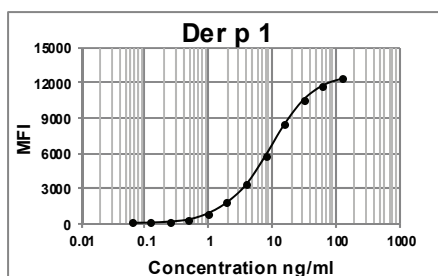
### Lot Number: XXXXX

**Allergen Standard:** Universal Allergen Standard

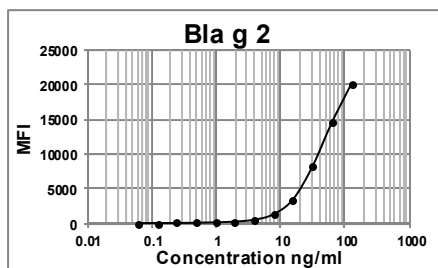
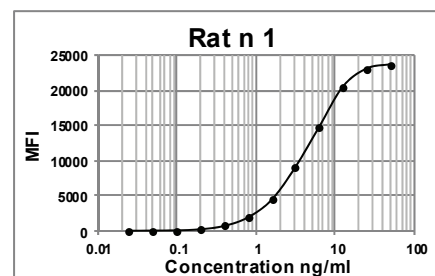
**Composition:** A formulation of eight purified natural allergens (Der p 1, Der f 1, Der p 2, Fel d 1, Can f 1, Mus m 1, Rat n 1, and Bla g 2) prepared in 1% BSA/50% glycerol/PBS, pH 7.4.

**Storage:** Store UAS **frozen** upon receipt.

#### Control Curves for MARIA:



Universal Allergen Standard	Protein Measurement	Conc. (ng/ml)	LLOD (ng/ml)
Der p 1	Amino-acid analysis	2500	0.06
Der f 1	Amino-acid analysis	2500	0.06
Der p 2	Amino-acid analysis	1000	0.02
Fel d 1	Amino-acid analysis	1000	0.02
Can f 1	Amino-acid analysis	2500	0.06
Mus m 1	Amino-acid analysis	250	0.01
Rat n 1	Amino-acid analysis	1000	0.02
Bla g 2	Amino-acid analysis	2500	0.98



#### Notes:

*Universal Allergen Standard is recommended for calibration of ELISA or MARIA<sup>®</sup> allergen assays only. Not recommended for in-vitro antibody measurements, T cell studies, immunization purposes, or other uses.*

#### References:

Earle C, King EM, Tsay A, Pittman K, Saric B, Vailes LD *et al.* High throughput fluorescent multiplex array for indoor allergen exposure assessment. *J Allergy Clin Immunol.* 2007;19: 428-433.

Filep S, Tsay A, Vailes LD, Gadermaier G, Ferreira F, Matsui E, King E, Chapman MD. A multi-allergen standard for the calibration of immunoassays: CREATE principles applied to eight purified allergens. *Allergy* 2012;67:235–241.

Filep *et al.*, Specific allergen concentration of WHO and FDA reference preparations measured using a multiple allergen standard. *J Allergy Clin Immunol* 2012;129:1408-10.

## ELISA Universal Allergen Standards

### Product Code: ST-UAS

### Lot Number: XXXXX

**Allergen Standard:** Universal Allergen Standard

**Composition:** A formulation of eight purified natural allergens (Der p 1, Der f 1, Der p 2, Fel d 1, Can f 1, Mus m 1, Rat n 1, and Bla g 2) prepared in 1% BSA/50% glycerol/PBS, pH 7.4.

**Storage:** Store UAS frozen upon receipt.

#### Control Curves for ELISA:

