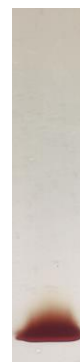


Natural Der f 2 Molecular Reference Standard

Product Code: MRS-NDF2

The Natural Der f 1 MRS is intended to serve as reference standard to determine the Der f 1 content of allergen preparations from house dust mite (*Dermatophagoides farinae*) by immunoassay.

Allergen:	Natural Der f 2 (<i>Dermatophagoides farinae</i> allergen 2)
Lot No:	xxxxx
Source:	<i>D. pteronyssinus</i> culture
Mol. Wt:	14 kD
Purification:	From spent mite culture by multi-step affinity chromatography.
Composition:	10µg natural Der f 2, determined by Amino Acid Analysis, freeze dried in sealed glass vial.
SDS-PAGE:	See inset. Silver-stained SDS-PAGE under non-reducing conditions shows a single band at 14 kD.
ELISA:	Immunoreactive in Der f 2 specific ELISA. No trace contamination with Der f 1 was detected by ELISA.
Purity:	>95% purity by in-solution LC-MS/MS after tryptic digest.
Formulation:	Prior to lyophilization, natural Der f 2 was adjusted to 50 mM volatile ammonium bicarbonate with 3% trehalose.
Storage:	Store at -20°C



nDer f 2

Natural Der f 2 Molecular Reference Standard

For research and commercial use *in vitro*: not for human *in vivo* or therapeutic use.

An InBio® product. Made in the USA

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Product Code: MRS-NDF2-1

Reconstitution:

- Allow vial to reach room temperature before use.
- Tap vial gently to collect all material at the bottom.
- Using a sterile syringe reconstitute the MRS to desired concentration by injecting a suitable volume of a buffer of choice (e.g. PBS, pH 7.4 or 1% BSA/50% glycerol/PBS, pH 7.4).
- Mix by gently swirling the vial until content is completely dissolved.
- Adding 1ml of buffer will result in a Der f 2 concentration of 10,000ng/ml.



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3. Smith AM et al. The molecular basis of antigenic cross-reactivity between the group 2 mite allergens. *J Allergy Clin Immunol* 2001;107:977-84.
4. Chapman MD et al. The European Union CREATE project: a model for international standardization of allergy diagnostics and vaccines. *J Allergy Clin Immunol.* 2008;122:882-889.
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