

Natural Der f 1 Molecular Reference Standard

Product Code: MRS-NDF1

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 1 (<i>Dermatophagoides farinae</i> allergen 1)
Lot No:	xxxxx
Source:	<i>D. farinae</i> culture
Mol. Wt:	24 kD
Purification:	From spent mite culture by multi-step affinity chromatography.
Composition:	10µg natural Der f 1, 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 24 kD.
ELISA:	Immunoreactive in Der f 1 specific ELISA. No trace contamination with Der f 2 was detected by ELISA.
Purity:	>95% purity by in-solution LC-MS/MS after tryptic digest.
Formulation:	Prior to lyophilization, natural Der f 1 was adjusted to 50 mM volatile ammonium bicarbonate with 3% trehalose.
Storage:	Store at -20°C.



nDer f 1

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

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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 1 concentration of 10,000ng/ml.



References:

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