What components of Dietary Fiber does each method measure accurately?

AOAC Method	Megazyme Product	Target Analytes				Problems/Issues	
			Soluble DF		Insoluble DF		
		Total Dietary Fiber					
		HMWDF	SDFS	SDFP	IDF	Underestimated	Overestimated
985.29	K-TDFR	✓	✗	✗	✗	RS_2, RS_3	RS_4
991.43		✗	✗	✓	✓		
2001.03	Individual Enzymes†	✓	✓	✗	✗		
2009.01	K-INTDF	✓	✓	✗	✗	RS_2, RS_4, FOS	High non-resistant starch content (very minor)
2011.25		✗	✓	✓	✓		
2017.16	K-RINTDF	✓	✓	✗	✗	NONE	NONE
2017.16*		✗	✓	✓	✓		

***Modified as per AOAC991.43 to allow for soluble/insoluble Dietary Fiber determination.**

†**E-BLAAM, E-AMGDFNG or E-AMGDFPD, E-BSPRPD**

HMWDF: High Molecular Weight Dietary Fiber. **RS:** Resistant Starch. **IDF:** Water insoluble Dietary Fiber. **SDFP:** Water soluble Dietary Fiber which precipitates in 78% ethanol. **SDFS:** Water soluble Dietary Fiber that remains soluble in 78% ethanol.

Megazyme's Rapid Integrated Dietary Fiber AOAC Method 2017.16 has received final approval (K-RINTDF)

The only method suitable for all Dietary Fiber sample types

The only method to accurately measure all relevant Dietary Fiber components

Megazyme

www.megazyme.com

Which method is most appropriate to measure Dietary Fiber in my sample?

What is the Fiber Profile?

- **Unknown**
- **RS present**
- **RS Absent**
  - **NDO Unkown**
  - **NDO Present**
  - **NDO Absent**

Total Dietary Fiber (TDF)	2017.16	2009.01
Insoluble & Soluble DF	2017.16*	2011.25
Megazyme	K-RINTDF†	K-INTDF

TDF	2017.16	2001.03	985.29
Insoluble & Soluble DF	2017.16*	2001.03*	991.43
Megazyme	K-RINTDF	Individual Enzymes‡	K-TDFR

Resistant Starch
RS_1 e.g. partially milled grains
RS_2 e.g. uncooked potato
RS_3 e.g. retrograded rice
RS_4 e.g. Fibersym®

Non-digestible Oligosaccharides
Fructooligosaccharides (FOS)
Galactooligosaccharides (GOS)
Polydextrose
Resistant Maltodextrins (RMD)

DF: Dietary Fiber
RS: Resistant Starch
NDO: Non-digestible Oligosaccharides

*Modification as per **AOAC 991.43** to allow for soluble/insoluble DF determination
†K-RINTDF provides a more accurate measurement for Resistant Starch
‡E-BLAAM, E-AMGDFNG or E-AMGDFPD, E-BSPRPD

Megazyme is a Global Leader in the measurement of Dietary Fiber

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