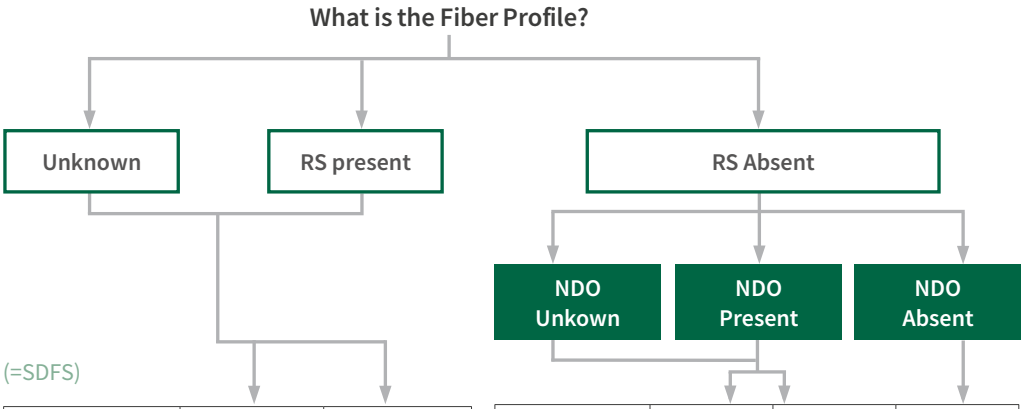
What components of Dietary Fiber does each method measure accurately?

AOAC Method	Megazyme Product range	Target Analytes				Issues	
		-	Soluble DF		Insoluble DF		
		Total Dietary Fiber		-			
		HMWDF	SDFS (NDO)	SDFP	IDF	Underestimated	Overestimated
985.29	K-TDFR	•				RS_2, RS_3 NDO not measured	RS_4
991.43				•	•		
2009.01	K-INTDF	•	•			RS_2, RS_4, FOS	Resistant maltodextrins artifacts
2011.25			•	•	•		
2017.16	K-RINTDF	•	•			NONE	NONE
2022.01			•	•	•		

DF: Dietary Fiber. **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 (= NDO).
• Target analytes

Which AOAC method is most appropriate to measure Dietary Fiber?



DF: Dietary Fiber
RS: Resistant Starch
NDO: Non-digestible Oligosaccharides (=SDFS)

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

Total Dietary Fiber (TDF)	**2017.16**	2009.01
Insoluble & Soluble DF	**2022.01**	2011.25
Megazyme Product range	**K-RINTDF**†	K-INTDF

TDF	**2017.16**	2001.03	985.29
Insoluble & Soluble DF	**2022.01**	2001.03*	991.43
Megazyme Product range	**K-RINTDF**	Individual Enzymes#	**K-TDFR**

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

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