



Total Dietary Fiber Method

For the measurement of dietary fiber in food and beverages

Our Megazyme® range has been at the forefront of innovation with over 30 years of experience in the field of dietary fiber analysis by developing unique methods for the measurement of dietary fiber and dietary fiber components. Our kits enable users to measure dietary fiber accurately to ensure nutritional labelling compliance.

The **AOAC 985.29 and 991.43 methods** are well-established among food manufacturers and commercial laboratories and our total dietary fiber kit (K-TDFR) can be used to measure fiber according to these AOAC methods. However, neither of these methods is capable of measuring all fiber components as defined by CODEX Alimentarius. Both methods have limitations, as they fail to accurately measure most resistant starches and exclude non-digestible oligosaccharides leading to an underestimation of dietary fiber. To address this issue, we have developed newer and more comprehensive dietary fiber methods. (AOAC 2022.01 and 2017.16)

In addition to our K-TDFR dietary fiber assay kit product offering, we also supply a range of ultra-pure enzymes as standalone products.

Your Trusted Testing Partner

With our added value service and support world wide from experienced scientists, we can be your trusted partner for all your analytical needs. Our Megazyme range is **manufactured in-house** at our site in Ireland, and we are pleased to say that we can support you with:

- **Trusted methods** compatible with officially validated standards
- **Secure stock** & global supply chain
- **Excellent technical support**
- **Ultra-pure enzymes** for more accurate results
- Additional **support tools** such as our user-friendly MegaCalc sheets to facilitate calculations

For more information, contact us at infomz@neogen.com



View our Dietary Fiber Range

Our Popular Dietary Fiber Kits

K-TDFR

Total Dietary Fiber

K-INTDF

Integrated Total Dietary Fiber

K-RINTDF

Rapid Integrated Total Dietary Fiber



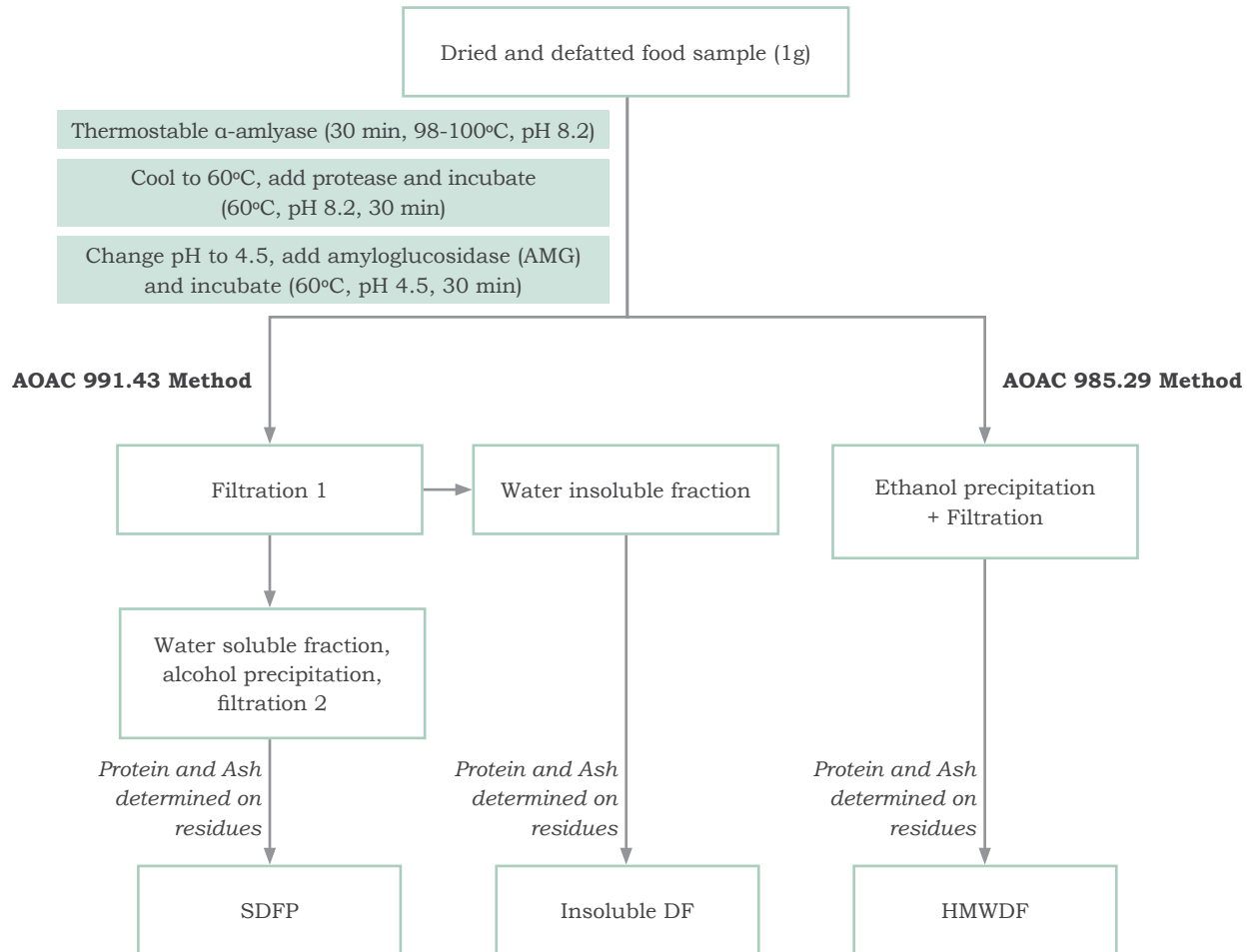
Total Dietary Fiber Assay Kit

For the measurement of Total Dietary Fiber.

Example Workflow

Please refer to each product's technical specification sheet before completing the workflow

Total Dietary Fiber (TDF) by AOAC 985.29 and AOAC 991.43



DF: Dietary Fiber,

HMWDF: High Molecular Weight Dietary Fiber,

SDFP: Water soluble Dietary Fiber which precipitates in 78% ethanol,

AOAC 985.29: measures Total Dietary fiber as HMWDF

AOAC 991.43: measures Total dietary fiber split as soluble (SDFP) and insoluble fiber

AOAC 2001.03: follows the same principle of AOAC 985.29 but uses different enzymes preparations and includes an HPLC analysis to measure non-digestible oligosaccharides (NDO)

Please refer to the Official AOAC method documents for full details on the validated dietary fiber protocols and refer to our assay protocol for K-TDFR to measure fiber according to AOAC 985.29 or 991.43.

