

Fast, easy,  
accurate identification.  
What's the catch?



Agilent DNA Fish ID Solution

No catch...  
just kit convenience and  
automated identification.

Try it once,  
and you'll be hooked.

When it comes to identifying fish species, holding up gels could be holding up the process. Now there's a better way. The **Agilent DNA Fish ID solution** uses advanced software to achieve more accurate results – quickly and easily.

Key to the process is the Agilent 2100 Bioanalyzer, which *eliminates the need for manual calling*. Using PCR amplification of genomic DNA and restriction fragment length polymorphism (RFLP) analysis, this solution generates fragment patterns that can be resolved and matched to the correct species using RFLP pattern-matching software.

#### **Streamlined method brings results in a matter of hours**

With this DNA-based, gel-free approach to fish identification, you can easily determine seafood authenticity in less than one workday. You'll reduce backlog, and get data to your customers sooner.

#### **Intuitive software brings greater convenience and accuracy**

With its conveniently packaged reagents and detection and intuitive RFLP Decoder pattern-matching Software, the Agilent DNA Fish ID solution is unsurpassed in simplicity and ease of use. What's more, you can have complete confidence in the accuracy of your results.

#### **This truly versatile solution allows you to test all of your samples**

The method is highly versatile and compatible with a variety of seafood samples – including fresh and frozen fish, fish fins, dried fish, salted fish, cooked fish, and minced fish. Additionally, the RFLP Decoder Software features a large expandable database of RFLP patterns that are quickly and accurately matched by automated algorithms and interactive visualizations. This expandability offers users the opportunity to include additional fish species.

**Speed, simplicity, flexibility. It all adds up to a smarter solution.**

Our measure is your success.



## Conveniently packaged, the Agilent DNA Fish ID solution is easy to set up and run.

The Agilent DNA Fish ID solution uses a platform that facilitates easy and accurate DNA-based identification.

The solution is comprised of:

- **Agilent DNA Fish ID Ensemble.** Provides all reagent kits used in this solution to simplify your ordering. (Part Number 5500-0100).
  - **Agilent DNA Isolation Kit (50 preparations).** Includes DNA-binding spin cups and all necessary reagents for rapidly isolating DNA from a variety of seafood sample types and quantities. (Part Number 5500-0051)
  - **Agilent PCR-RFLP Fish ID Kit (10 reactions).** Convenient PCR mastermix and primers that amplify fish species target of interest; restriction enzymes and buffers to perform rapid RFLP reactions. (Part Number 5500-0001)
  - **DNA 1000 Kit (25 chips).** Measure and quantitate your fish sample PCR fragments and restriction digests automatically, accurately, and reproducibly with standardized assays and pre-packaged reagents sufficient for 300 samples. (Part Number 5067-1504)
- **Agilent RFLP Decoder Software.** Easy intuitive software to perform RFLP pattern matching; includes a database of numerous experimentally-derived fish species profiles and a separate database of in-silico-derived profiles. (Part Number G5301A)
- **Agilent 2100 Bioanalyzer.** Microfluidics-based platform provides sizing, quantification, and quality control of your fish DNA. Results are delivered within 30-40 minutes.

### For more information

Learn more: [www.agilent.com/chem/fish](http://www.agilent.com/chem/fish)

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## Agilent Technologies

A gel-free process to deliver the accurate results you need in a matter of hours.

