5500-0001 0006620387

Agilent

Lot	**0006620387**

Catalog Number	**5500-0001**
Product Name	**Agilent PCR-RFLP Fish Species ID Kit**
Expiration Date	2023-09-30
Quantity	See Materials Provided, below.
Certified By	Dana Faver
Quality Controlled By	Matt Huffman
Shipping Conditions	Shipped on dry ice.
Storage Conditions	Store at -20°C upon receipt. Once thawed, the 10× PCR Primer Mix may be stored at +4°C.

Materials Provided

2× PCR Master Mix, 1.25 ml
10× PCR Primer Mix, 250 µl
Positve Control Salmon DNA, 10 µl
10× HaeIII Restriction Enzyme, 50 µl
10× DdeI Restriction Enzyme, 50 µl
10× NlaIII Restriction Enzyme, 50 µl
10× NlaIII/HaeIII Buffer, 100 µl
10× DdeI Buffer, 50 µl
100× BSA, 100 µl
60 mM EDTA, 300 µl
Nuclease-Free Water, 2 ml

Description

The Agilent DNA Fish ID Ensemble provides a complete DNA-based method to identify the fish species present in a given sample. First, genomic DNA is purified from fish samples using the Agilent DNA Isolation kit. Next, a specific region of the fish genome is PCR-amplified and digested with restriction enzymes using the PCR-RFLP fish species ID kit. The Agilent 2100 Bioanalyzer and DNA 1000 kit are then used together with RFLP Decoder software for restriction fragment length polymorphism (RFLP) analysis of the digested fragments in order to identify the species of the fish sample.

Directions for Use

For a complete protocol on using the PCR-RFLP fish species ID kit as part of the Agilent DNA fish ID ensemble, download the product manual from the web at www.agilent.com/chem/fish.

Test Conditions

The Agilent DNA isolation kit and the Agilent PCR-RFLP fish species ID kit are used together in a fish species identification protocol with multiple fish samples to ensure the proper species are identified.

Notice To Purchaser

HaeIII is licensed under U.S. Patent No. 5,179,015
NlaIII is licensed under U.S. Patent No. 5,278,060

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