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€229.00

- **200 reactions** per kit (25 µl per reaction)
- Includes the latest **eDNA qPCR Hot Start Mix**, optimized for environmental DNA analysis
- **Validated** for use with **Bio-Rad, QuantStudio, and Applied Biosystems** qPCR systems
- **Stable for 1 year** post-delivery when stored under recommended conditions
- **High sensitivity & 100% specificity** for accurate detection of *Bombina variegata*

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SKU: SYL152 Categories: [Amfibians](#), [qPCR kits](#)

Description

The SYL152 *Bombina variegata* Detection Kit is designed for precise, trustworthy environmental DNA (eDNA) analysis.

Powered by our advanced **eDNA qPCR Hot Start Mix**, this kit delivers **exceptional sensitivity, robustness, and accuracy** in qPCR detection assays.

It performs consistently even in challenging environmental samples containing **inhibitors** such as humic acids.

Why Choose This Kit?

- **100% specificity** – Targets *Bombina variegata* with minimal cross-reactivity.
- **Ultra-high sensitivity** – Capable of detecting a single DNA copy per reaction.
- **Inhibitor resistant** – Reliable performance in real-world environmental conditions.
- **Strong fluorescence signal** – Low background noise for clear and accurate detection results.
- **Validated performance** – Achieves **≥ 95% detection probability** when paired with correct sampling protocols.

Detection as a Service

No access to qPCR equipment? We offer **professional eDNA detection services** for *Bombina variegata*!

Visit [our website](#) or [contact us](#) for information on

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Kit Compatibility & Storage

- **Validated on major qPCR platforms**, including Bio-Rad, QuantStudio, and Applied Biosystems.
- **Compatible with FAM dye detection** – Works with most modern qPCR machines.
- **Optimized for use with the Sylphium Molecular Ecology eDNA Isolation Kit (#SYL002)**, but suitable for other eDNA isolation methods.
- **Storage conditions:**
 - **-80°C** for long-term stability (>6 months).
 - **-20°C** for short-term use.
 - **Guaranteed stable for 1 year** after delivery when stored according to recommendations.

Kit Contents

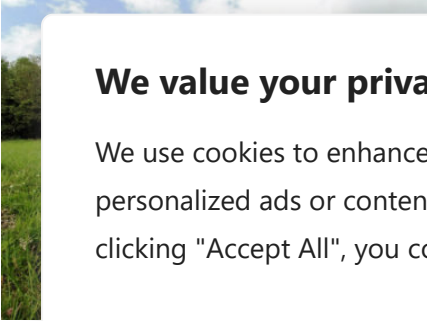
- **Primer/probe mix (10x)** for *Bombina variegata* detection (FAM dye).
- **eDNA qPCR Master Mix**, containing:
 - eTaq DNA polymerase
 - eTaq qPCR mix
 - PCR-grade water
- **Positive control** for quality assurance.
- **Sufficient for 200 reactions (25 µl each).**

Relevant Documents

-  [Manual](#)
-  [Universal protocol for eDNA qPCR master mix](#)
-  [Method validation report](#)

Questions? Contact us at info@sylphium.com

You may also like...



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