



# QuickExtract™ DNA Extraction Solution

Simple, rapid extraction of PCR-ready DNA

- **Rapid Procedure:** Eight-minute protocol for most sample types
- **Simple Method:** Single-tube protocol with no spin columns
- **Automation-Friendly:** Process one or hundreds of samples
- **Safe Workflow:** No phenol, chloroform, or guanidinium salts
- **Many Applications:** Suitable for genotyping, human identity testing, viral/microbial screening, and more



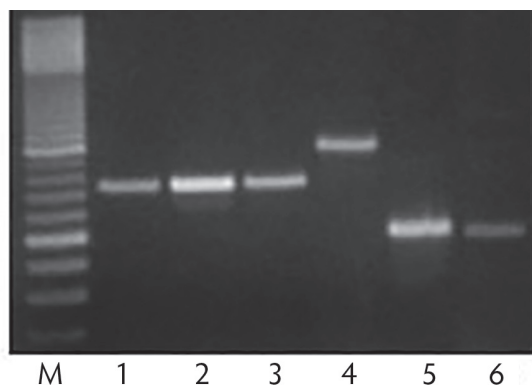
The QuickExtract DNA Extraction Solution extracts PCR-ready genomic DNA from almost any sample in just 3–8 minutes.

Many publications support the use of QuickExtract DNA Extraction Solution with samples such as hair follicles, quill-end cells of feathers, tissue-culture cells, buccal cells, zebrafish organs and scales, mouse tail snips, and more. The simple, single-tube procedure can accommodate one to hundreds of samples, and it is easily adapted to multiwell plates with robotic automation systems.

The extracted DNA is suitable for PCR-based analysis, such as: genomic, transgenic, or viral DNA screening in animals; genetic or environmental research and screening in humans and other organisms; and CRISPR/Cas9 library screening.

The convenient, scalable protocol involves gentle lysis and purification that provides high yields of intact nucleic acids—all without the use of toxic chemicals or spin columns.

## PCR-Ready DNA from a Variety of Samples



**Figure 1.** FailSafe™ PCR amplifications of genomic DNA isolated using the QuickExtract™ procedure. All samples were treated with QuickExtract™ DNA Extraction Solution. PCR was performed using primers to amplify the regions indicated: Lanes 1–3, human  $\beta$ -globin (from human buccal cells, HeLa cells, and human hair follicle, respectively); lane 4, transgenic mouse GAPDH (from mouse tail snip); lane 5, 16S ribosomal RNA gene (from *E. coli*); lane 6, transgenic SV40 T antigen (from mouse tail snip).



Sensitive PCR Detection from Extracted DNA

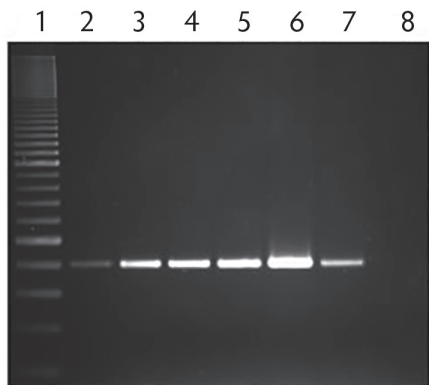


Figure 2. PCR amplification of DNA extracted from multiple zebrafish (*Danio rerio*) organs using QuickExtract™ DNA Extraction Solution. DNA was extracted from the following organs using 100 µL of QuickExtract DNA Extraction Solution, and 1 µL of each extracted sample was used to amplify a single-copy crystallin-like gene. Lane 1, 100-bp ladder; lanes 2–3, fins; lanes 4–5, eyes; lanes 6–7, scales; lane 8, no-DNA control.

PCR-Ready DNA in 8 Minutes or Less

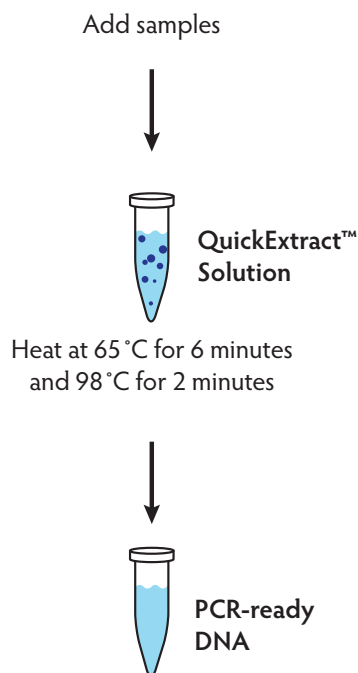


Figure 3. The QuickExtract™ DNA Extraction Solution workflow.

Products	Size	Cat. No.	Price
QuickExtract™ DNA Extraction Solution	50 mL (100 Extractions)	QE09050	\$291
	5 mL (10 Extractions)	QE0905T	\$55