

Zebrafish genotyping library

The LGC, Biosearch Technologies™ zebrafish genotyping library offers convenient access to functionally validated [KASP™ genotyping assays](#). The library was developed in collaboration with the Hubrecht Institute in Utrecht (NL) and the Wellcome Trust Sanger Institute in Hinxton (UK) as part of the zebrafish (*Danio rerio*) mutation project.

The target-specific KASP assays can be purchased to run in your own laboratory (in conjunction with universal KASP-TF Master Mix) or, alternatively, we can run these assays for you in our service laboratories.

Zebrafish SNPs

The zebrafish (*Danio rerio*) is a widely used model organism for understanding developmental pathways in vertebrates and is recognised as an important tool for many areas of research, including cardiovascular disease and cancer biology. The development of the zebrafish library has resulted in a readily-accessible set of over 1,000 pre-validated SNP assays. These KASP genotyping assays are easy to run, robust, accurate and highly cost effective.

The reagents for KASP genotyping can be delivered to you so that you can run the assays in your own laboratory; KASP can be read on most qPCR instruments and FRET-capable (fluorescence resonance energy transfer) plate readers.

Alternatively, we can run the entire project for you in our genotyping service laboratories, and can include DNA extraction steps if required.

Our team of genotyping experts is available to answer any questions that you may have. We support projects both large and small and offer fast turnaround options for those who need data in a hurry. Our fast service typically enables results to be delivered within 2 to 3 weeks of sample receipt.

Advantages of the pre-validated zebrafish assays:

- Library includes over 1,000 functionally validated SNP assays
- Pick and choose the assays relevant to your research from our [full list of pre-validated zebrafish assays](#)
- Assays can be either:
 - a) run through our genotyping service laboratories
 - b) run in your own laboratory
- Fully validated assays - no added set-up costs
- Only minimal DNA material required.

Additional genotyping panels

Biosearch Technologies has been providing genotyping solutions for over 15 years to a global customer base. In addition to the zebrafish library, we have developed libraries of pre-validated KASP genotyping assays for a range of organisms including wheat, mouse and rat. These libraries have been developed in collaboration with scientific partners across the globe who have substantial experience of working with these organisms.

Also available are wheat, rice, tomato, maize and lentil [genotyping libraries](#).

Ordering information

Cat no.	Size	Description
KBS-2500-020	(2500 × 10 µL reactions)	Zebrafish KASP Assay Mix

References

Wellcome Sanger Institute. Zebrafish Genome Project [online]. <https://www.sanger.ac.uk/data/zebrafish-genome-project/>

Wellcome Sanger Institute. Zebrafish Mutation Project [online]. <https://zmp.buschlab.org/>

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