



# NxSeq HybCap Kit - project submission form

Thank you for your interest in our custom NxSeq™ HybCap™ Kits for hybridisation-based NGS target enrichment. This form will capture your custom design requirements such as sample type and quality as well as your target regions and experimental goals. This information is critical to the design process so that we can generate the best performing set of custom-designed HybCap Oligo Probes for your target enrichment experiments. Once our Design Consultant has reviewed this information, they may reach out to for additional information before proceeding to the design phase.

**Please fully read this form and any associated documentation before starting to fill out this form.**

\*Marked questions require an answer.

## Section 1: Contact information

Full name\*: .....

Email\*: .....

Telephone: .....

Institution\*: .....

## Section 2: Design requirements and conditions

Please read the following document, and acknowledge acceptance of the design requirements and conditions. This document explains the conditions of our free HybCap Oligo Probe design service as well acceptable formats for sequence submissions.

[New NxSeq HybCap Custom Kit order design requirements and conditions](#)

I agree to the design requirements and conditions\*

**Please** complete all sections before submitting this form to Biosearch Technologies.

### Section 3: Project details

1. \*Will you provide target sequences for custom HybCap Oligo Probe design or pre-designed probes?

Target sequences       Pre-designed probes

2. \*What taxonomic group includes your target species (all target species)?

Examples include *Homo sapiens*, primates or vertebrates.

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3. \*If your target taxon is a microorganism, from what host organism(s) will your samples/libraries be derived (if applicable)?

.....

4. \*Will your libraries used as input for enrichment be derived from pure samples or from mixed samples?

For example, mixed samples could be saliva containing human, bacterial, viral genomes.

- Mainly single –species (“pure”)  
 Mixed (nucleic acids in capture libraries from multiple sources)  
 Varies by experiment  
 I do not know

5. \*Will your input NGS libraries be built from high-quality genomic DNA or RNA or from degraded samples?

Note that we define degraded as input library fragments where a significant portion of the fragments is less than 80 bp in length (Probe length is normally about 80 nt).

- Yes  
 No  
 Sometimes  
 I do not know

6. If you have a public reference genome(s) for your target sequences, please provide the link(s) here.

7. \*What is the maximum combined length of your target sequence(s)?

Please provide an estimate if you are not certain.

.....

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### Section 3: Project details (continued)

8. \*What is the maximum number of desired probe sequences to cover your target sequence(s)?

(Please click into the selection below to view all options. One selection only.)

9. \*Do any of your desired target regions include transcripts consisting of multiple spliced exons or in other words, not individual exons?

Yes

No

I do not know

10. \*Please describe the type of targets you wish to enrich.

For example, SNP, CNV, exons, transgenes, edited regions, transcripts from RNA-seq libraries, etc.

.....

11. \*What is the main goal of your enrichments experiments utilising these custom HybCap Oligo Probes?

(Please click into the selection below to view all options and select all that apply.)

(If you selected other above, please specify here)

12. \*How many libraries do you intend to capture/enrich with this kit design?

Please note that kits are available in 16, 24, 96, and 384 single-plex reaction (captures) sizes.

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13. \*Which sequencing platform will you use to sequence your enriched libraries?

(Please click into the selection below to view all options and select all that apply.)

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### Section 3: Project details (continued)

14. \*If there is any other information that will help our Design Consultant with your probe design for this custom kit, please provide it here.

**Thanks for completing this form. Your feedback is invaluable in designing optimised HybCap Oligo Probes for your specific needs.**

Please email the completed form to [hybcap@lgcgroup.com](mailto:hybcap@lgcgroup.com)

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