

cDNA Library Construction Service



Please fax this completed form to +49(0)8161-141-1212

Name (first/last): _____

Company/Institution: _____

Shipping address: _____

Billing address: _____

Phone: _____

Fax: _____

email: _____

Date: _____

Signature: _____

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www.vertis-biotech.com

By signing this document, I agree with the terms and conditions specified below. I certify that working with the biological material supplied can be carried out in Biosafety Level 1 (BSL 1) facilities.

Customer Services Details

Please indicate the services desired

Material Supplied

① Sample description

Sample	Amount/Volume	Concentration	Source
Cells/tissues			
Total RNA			
Whole organism			

Additional sample description

Any known hazard associated with the sample must be reported. We cannot accept infectious material!

② PCR-primers for quality control of cDNA

provided

not provided

PCR primer for the identification and relative quantification of 2 selected target genes can be provided by the customer. For all primers, the PCR cycling conditions must be known and indicated in the table below.

	Designation	Target gene	Fragment size (bp)	Annealing temp.	PCR cycles
Primer pair 1					
Primer pair 2					

Ordering Checklist

① Type of library to be constructed

Standard

Normalized

Subtracted

Desired cutoff for size fractionation of cDNA: _____ (Default is > 0,5 kb)

② cDNA synthesis method

Full-Length Enriched

True Full-Length

Random Primed

Micro-Quantity

Full-Length Enriched cDNA (FLE-cDNA) is primed with oligo(dT). The technology assures that 1st-strand cDNA is completely converted into ds-cDNA. The FLE-cDNA synthesis method allows production of long and representative cDNA also from limited amounts of starting material.

True Full-Length cDNA (TFL cDNA) is primed with oligo(dT) and specifically targets intact mRNA carrying a 5'-CAP-structure. With our CAP-targeting method, in contrast to our FLE cDNA synthesis method, a selection for true full-length cDNA takes place (70 – 80% of the clones in such libraries represent full-length clones). Successful TFL-cDNA synthesis can only be performed when RNA from highest quality is available!

In the case of Random Primed cDNA (RDP-cDNA), 1st strand cDNA is primed with a randomized N6 adaptor primer. The adaptor sequence allows directional cloning of the RP-cDNA.

In the case of Micro-Quantity cDNA (MQ-cDNA), 1st strand cDNA is primed with oligo(dT) and 2nd strand cDNA is primed with a specially designed randomized N6 adaptor primer. The MQ-cDNA synthesis method is extremely sensitive and allows production of high quality cDNA when only micro-quantity amounts of starting material are available (e.g. microdissected biopsy).

For further details about our cDNA synthesis methods, please visit our homepage (www.vertis-biotech.com)

③ Cloning vector

Plasmid pBS II sk+

Lambda ExCell

Other/specify _____

Note: Unless otherwise requested, plasmid libraries will be prepared in pBS II sk+ and phage libraries in Lambda ExCell vector. Plasmid libraries will be transformed into T1 phage resistant XL1-Blue MRF^r (Stratagene) cells, phage libraries will be transfected into NM522 cells (Amersham). Alternative vectors or cells may be specified for an additional cost.

Confidentiality Statement

VERTIS will only use the material from the customer for the creation of the cDNA library. It will not transfer or sell the material to third parties, and it will turn over and transfer ownership of the cDNA library created to the customer. VERTIS shall have no rights of utilization of results that stem exclusively from the use of the cDNA library created for the customer. All information will be treated in confidence and no details will be passed on to third parties.