

# cDNA: Tissue first-strand\*



## Total RNA & cDNA

Molecular Medicine | Made in Germany

**Genekam**  
BIOTECHNOLOGY AG

PCR means **POLYMERASE CHAIN REACTION** which was developed at the beginning of the eighties. This method is used to amplify the part of DNA, which can be identified with different methods. To give the correct therapy, one must have accurate diagnosis at the earliest stage. Such diagnosis can be made with PCR. It is merging as the gold standard in the field of medicine.

**There are vast applications of PCR:**

- ① Identification of micro organisms
- ② Forensic applications like identification of DNA of a particular person or animal
- ③ Mutation identification
- ④ Gene defect identification

**Contents of DNA based PCR Tests:**

- ▶ PCR Master Mix: MgCl<sub>2</sub> solution buffer
- ▶ Primers: Forward and backwards ▶ Nucleotides ▶ Loading dye
- ▶ Molecular marker ▶ Manual ▶ You need isolated DNA.

**Contents of RNA based PCR Tests:**

- ▶ RNA to cDNA synthesis ▶ Reverse transcriptase
- ▶ Nucleotides ▶ Buffers ▶ Enzyme ▶ You need isolated RNA.

**cDNA Synthesis:**

- ▶ PCR Master Mix: mgcl solution buffer
- ▶ Primers: Forward and backwards ▶ Nucleotides
- ▶ Loading dye ▶ Molecular marker ▶ Manual

GENEKAM BIOTECHNOLOGY AG is specialised on PCR tests. Our tests are being delivered in over 50 countries worldwide. PCR tests have the advantage of detecting viruses, bacteria or parasites as many as one microorganism in the sample. Moreover the results can be made on the sample day and a very small amount of probe as source of nuclear acid (DNA/RNA) is sufficient to perform the test. All offered tests in this catalog are conducted in the Genekam Biotechnology Laboratory in Germany. The tests are being performed by highly educated and experienced persons in the field of medicine. PCR has many advantages against other tests such as ELISA or serological tests e.g. in ELISA one can see usually antibody reactions and measurable antibodies can be detected in blood after 5 days of infection. In this case PCR can be used to detect the infection at the earliest possible stage, hence preventive therapy can be given. We offer conventional PCR-Kits and Real Time PCR.

**Genekam**  
BIOTECHNOLOGY AG

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### ▶ First-strand cDNA\* RABBIT

Cat.-No. Single Kit (50 reactions) & Price (Euro)

**RABBIT**

▶ CDRA 001	Brain cDNA, 50 reactions.....	199,-
▶ CDRA 002	Heart cDNA, 50 reactions .....	199,-
▶ CDRA 003	Liver cDNA, 50 reactions .....	199,-
▶ CDRA 004	Lung cDNA, 50 reactions .....	199,-
▶ CDRA 005	Spinal cord cDNA, 50 reactions .....	199,-
▶ CDRA 006	Stomach cDNA, 50 reactions.....	199,-
▶ CDRA 007	Spleen cDNA, 50 reactions.....	199,-
▶ CDRA 008	Kidney cDNA, 50 reactions.....	199,-
▶ CDRA 009	Small intestine cDNA, 50 reactions .....	199,-
▶ CDRA 010	Large intestine cDNA, 50 reactions.....	199,-
▶ CDRA 011	Oseophagus cDNA, 50 reactions .....	199,-
▶ CDRA 012	Tongue cDNA, 50 reactions .....	199,-
▶ CDRA 013	Skin cDNA, 50 reactions .....	199,-
▶ CDRA 014	Testicle cDNA, 50 reactions .....	199,-
▶ CDRA 015	Urinary bladder cDNA, 50 reactions .....	199,-
▶ CDRA 016	Muscle cDNA, 50 reactions.....	199,-
▶ CDRA 017	Vena cava cDNA, 50 reactions.....	199,-
▶ CDRA 018	Duodenum cDNA, 50 reactions .....	199,-
▶ CDRA 019	Ileum cDNA, 50 reactions.....	199,-
▶ CDRA 020	Colon cDNA, 50 reactions .....	199,-
▶ CDRA 021	Lymph nodes cDNA, 50 reactions.....	199,-
▶ CDRA 022	Cervix cDNA, 50 reactions.....	199,-
▶ CDRA 023	Nerves cDNA, 50 reactions.....	199,-
▶ CDRA 024	Trachae cDNA, 50 reactions.....	199,-
▶ CDRA 025	Bronchia cDNA, 50 reactions .....	199,-
▶ CDRA 026	Bone marrow cDNA, 50 reactions .....	199,-
▶ CDRA 027	Pituary gland cDNA, 50 reactions .....	199,-
▶ CDRA 028	Thyroid gland cDNA, 50 reactions.....	199,-
▶ CDRA 029	Pericardium cDNA, 50 reactions .....	199,-
▶ CDRA 030	Atrium cDNA, 50 reactions.....	199,-
▶ CDRA 031	Ventricle cDNA, 50 reactions .....	199,-

\* Products are for research use only.

### ▶ First-strand cDNA\* RAT

Cat.-No. Single Kit (50 reactions) & Price (Euro)

**RAT**

▶ CDR 001	Brain cDNA, 50 reactions.....	199,-
▶ CDR 002	Heart cDNA, 50 reactions .....	199,-
▶ CDR 003	Liver cDNA, 50 reactions .....	199,-
▶ CDR 004	Lung cDNA, 50 reactions .....	199,-
▶ CDR 005	Spinal cord cDNA, 50 reactions .....	199,-
▶ CDR 006	Stomach cDNA, 50 reactions.....	199,-
▶ CDR 007	Spleen cDNA, 50 reactions.....	199,-
▶ CDR 008	Kidney cDNA, 50 reactions.....	199,-
▶ CDR 009	Small intestine cDNA, 50 reactions .....	199,-
▶ CDR 010	Large intestine cDNA, 50 reactions.....	199,-
▶ CDR 011	Oseophagus cDNA, 50 reactions .....	199,-
▶ CDR 012	Tongue cDNA, 50 reactions .....	199,-
▶ CDR 013	Skin cDNA, 50 reactions .....	199,-
▶ CDR 014	Testicle cDNA, 50 reactions .....	199,-
▶ CDR 015	Urinary bladder cDNA, 50 reactions .....	199,-
▶ CDR 016	Muscle cDNA, 50 reactions.....	199,-
▶ CDR 017	Vena cava cDNA, 50 reactions.....	199,-
▶ CDR 018	Duodenum cDNA, 50 reactions .....	199,-
▶ CDR 019	Ileum cDNA, 50 reactions.....	199,-
▶ CDR 020	Colon cDNA, 50 reactions .....	199,-
▶ CDR 021	Lymph nodes cDNA, 50 reactions.....	199,-
▶ CDR 022	Cervix cDNA, 50 reactions.....	199,-
▶ CDR 023	Nerves cDNA, 50 reactions.....	199,-
▶ CDR 024	Trachae cDNA, 50 reactions.....	199,-
▶ CDR 025	Bronchia cDNA, 50 reactions .....	199,-
▶ CDR 026	Bone marrow cDNA, 50 reactions .....	199,-
▶ CDR 027	Pituary gland cDNA, 50 reactions .....	199,-
▶ CDR 028	Thyroid gland cDNA, 50 reactions.....	199,-
▶ CDR 029	Pericardium cDNA, 50 reactions .....	199,-
▶ CDR 030	Atrium cDNA, 50 reactions.....	199,-
▶ CDR 031	Ventricle cDNA, 50 reactions .....	199,-

### ▶ First-strand cDNA\* MOUSE

Cat.-No. Single Kit (50 reactions) & Price (Euro)

**MOUSE**

▶ CDM 001	Brain cDNA, 50 reactions.....	199,-
▶ CDM 002	Heart cDNA, 50 reactions .....	199,-
▶ CDM 003	Liver cDNA, 50 reactions .....	199,-
▶ CDM 004	Lung cDNA, 50 reactions .....	199,-
▶ CDM 005	Spinal cord cDNA, 50 reactions .....	199,-
▶ CDM 006	Stomach cDNA, 50 reactions.....	199,-
▶ CDM 007	Spleen cDNA, 50 reactions.....	199,-
▶ CDM 008	Kidney cDNA, 50 reactions.....	199,-
▶ CDM 009	Small intestine cDNA, 50 reactions .....	199,-
▶ CDM 010	Large intestine cDNA, 50 reactions.....	199,-
▶ CDM 011	Oseophagus cDNA, 50 reactions .....	199,-
▶ CDM 012	Tongue cDNA, 50 reactions .....	199,-
▶ CDM 013	Skin cDNA, 50 reactions .....	199,-
▶ CDM 014	Testicle cDNA, 50 reactions .....	199,-
▶ CDM 015	Urinary bladder cDNA, 50 reactions .....	199,-
▶ CDM 016	Muscle cDNA, 50 reactions.....	199,-
▶ CDM 017	Vena cava cDNA, 50 reactions.....	199,-
▶ CDM 018	Duodenum cDNA, 50 reactions .....	199,-
▶ CDM 019	Ileum cDNA, 50 reactions.....	199,-
▶ CDM 020	Colon cDNA, 50 reactions .....	199,-
▶ CDM 021	Lymph nodes cDNA, 50 reactions.....	199,-
▶ CDM 022	Cervix cDNA, 50 reactions.....	199,-
▶ CDM 023	Nerves cDNA, 50 reactions.....	199,-
▶ CDM 024	Trachae cDNA, 50 reactions.....	199,-
▶ CDM 025	Bronchia cDNA, 50 reactions .....	199,-
▶ CDM 026	Bone marrow cDNA, 50 reactions .....	199,-
▶ CDM 027	Pituary gland cDNA, 50 reactions .....	199,-
▶ CDM 028	Thyroid gland cDNA, 50 reactions.....	199,-
▶ CDM 029	Pericardium cDNA, 50 reactions .....	199,-
▶ CDM 030	Atrium cDNA, 50 reactions.....	199,-
▶ CDM 031	Ventricle cDNA, 50 reactions .....	199,-

## COMPLETE OVERVIEW

# cDNA: Total RNA from tissue\*

## ► cDNA\* MOUSE

Cat.-No. Single Kit (50 reactions) & Price (Euro)

### MOUSE

► TRM 001	Brain total RNA, 100ul.....	129,-
► TRM 002	Heart total RNA, 100ul .....	129,-
► TRM 003	Liver total RNA, 100ul .....	129,-
► TRM 004	Lung total RNA, 100ul .....	129,-
► TRM 005	Spinal cord total RNA, 100ul .....	129,-
► TRM 006	Stomach total RNA, 100ul.....	129,-
► TRM 007	Spleen total RNA, 100ul.....	129,-
► TRM 008	Kidney total RNA, 100ul.....	129,-
► TRM 009	Small intestine total RNA, 100ul .....	129,-
► TRM 010	Large intestine total RNA, 100ul .....	129,-
► TRM 011	Oesophagus total RNA, 100ul .....	129,-
► TRM 012	Tongue total RNA, 100ul .....	129,-
► TRM 013	Skin total RNA, 100ul .....	129,-
► TRM 014	Testicle total RNA, 100ul .....	129,-
► TRM 015	Urinary bladder total RNA, 100ul .....	129,-
► TRM 016	Muscle total RNA, 100ul.....	129,-
► TRM 017	Vena cava total RNA, 100ul.....	129,-
► TRM 018	Duodenum total RNA, 100ul .....	129,-
► TRM 019	Ileum total RNA, 100ul .....	129,-
► TRM 020	Colon total RNA, 100ul .....	129,-
► TRM 021	Lymph nodes total RNA, 100ul.....	129,-
► TRM 022	Cervix total RNA, 100ul .....	129,-
► TRM 023	Nerves total RNA, 100ul .....	129,-
► TRM 024	Trachae total RNA, 100ul.....	129,-
► TRM 025	Bronchia total RNA, 100ul .....	129,-
► TRM 026	Bone marrow total RNA, 100ul .....	129,-
► TRM 027	Pituitary gland total RNA, 100ul .....	129,-
► TRM 028	Thyroid gland total RNA, 100ul .....	129,-
► TRM 029	Pericardium total RNA, 100ul .....	129,-
► TRM 030	Atrium total RNA, 100ul.....	129,-
► TRM 031	Ventricle total RNA, 100ul .....	129,-

## ► cDNA\* RAT

Cat.-No. Single Kit (50 reactions) & Price (Euro)

### RAT

► TRR 001	Brain total RNA, 100ul.....	129,-
► TRR 002	Heart total RNA, 100ul .....	129,-
► TRR 003	Liver total RNA, 100ul .....	129,-
► TRR 004	Lung total RNA, 100ul .....	129,-
► TRR 005	Spinal cord total RNA, 100ul .....	129,-
► TRR 006	Stomach total RNA, 100ul.....	129,-
► TRR 007	Spleen total RNA, 100ul.....	129,-
► TRR 008	Kidney total RNA, 100ul.....	129,-
► TRR 009	Small intestine total RNA, 100ul .....	129,-
► TRR 010	Large intestine total RNA, 100ul .....	129,-
► TRR 011	Oesophagus total RNA, 100ul .....	129,-
► TRR 012	Tongue total RNA, 100ul .....	129,-
► TRR 013	Skin total RNA, 100ul .....	129,-
► TRR 014	Testicle total RNA, 100ul .....	129,-
► TRR 015	Urinary bladder total RNA, 100ul .....	129,-
► TRR 016	Muscle total RNA, 100ul.....	129,-
► TRR 017	Vena cava total RNA, 100ul.....	129,-
► TRR 018	Duodenum total RNA, 100ul .....	129,-
► TRR 019	Ileum total RNA, 100ul .....	129,-
► TRR 020	Colon total RNA, 100ul .....	129,-
► TRR 021	Lymph nodes total RNA, 100ul.....	129,-
► TRR 022	Cervix total RNA, 100ul .....	129,-
► TRR 023	Nerves total RNA, 100ul .....	129,-
► TRR 024	Trachae total RNA, 100ul.....	129,-
► TRR 025	Bronchia total RNA, 100ul .....	129,-
► TRR 026	Bone marrow total RNA, 100ul .....	129,-
► TRR 027	Pituitary gland total RNA, 100ul .....	129,-
► TRR 028	Thyroid gland total RNA, 100ul .....	129,-
► TRR 029	Pericardium total RNA, 100ul .....	129,-
► TRR 030	Atrium total RNA, 100ul.....	129,-
► TRR 031	Ventricle total RNA, 100ul .....	129,-

## ► cDNA\* RABBIT

Cat.-No. Single Kit (50 reactions) & Price (Euro)

### RABBIT

► TRRA 001	Brain total RNA, 100ul.....	129,-
► TRRA 002	Heart total RNA, 100ul .....	129,-
► TRRA 003	Liver total RNA, 100ul .....	129,-
► TRRA 004	Lung total RNA, 100ul .....	129,-
► TRRA 005	Spinal cord total RNA, 100ul .....	129,-
► TRRA 006	Stomach total RNA, 100ul.....	129,-
► TRRA 007	Spleen total RNA, 100ul.....	129,-
► TRRA 008	Kidney total RNA, 100ul.....	129,-
► TRRA 009	Small intestine total RNA, 100ul .....	129,-
► TRRA 010	Large intestine total RNA, 100ul .....	129,-
► TRRA 011	Oesophagus total RNA, 100ul .....	129,-
► TRRA 012	Tongue total RNA, 100ul .....	129,-
► TRRA 013	Skin total RNA, 100ul .....	129,-
► TRRA 014	Testicle total RNA, 100ul .....	129,-
► TRRA 015	Urinary bladder total RNA, 100ul .....	129,-
► TRRA 016	Muscle total RNA, 100ul.....	129,-
► TRRA 017	Vena cava total RNA, 100ul.....	129,-
► TRRA 018	Duodenum total RNA, 100ul .....	129,-
► TRRA 019	Ileum total RNA, 100ul .....	129,-
► TRRA 020	Colon total RNA, 100ul .....	129,-
► TRRA 021	Lymph nodes total RNA, 100ul.....	129,-
► TRRA 022	Cervix total RNA, 100ul .....	129,-
► TRRA 023	Nerves total RNA, 100ul .....	129,-
► TRRA 024	Trachae total RNA, 100ul.....	129,-
► TRRA 025	Bronchia total RNA, 100ul .....	129,-
► TRRA 026	Bone marrow total RNA, 100ul .....	129,-
► TRRA 027	Pituitary gland total RNA, 100ul .....	129,-
► TRRA 028	Thyroid gland total RNA, 100ul .....	129,-
► TRRA 029	Pericardium total RNA, 100ul .....	129,-
► TRRA 030	Atrium total RNA, 100ul.....	129,-
► TRRA 031	Ventricle total RNA, 100ul .....	129,-

- Quality control
- Certified to contain small RNA (miRNA, siRNA and snRNA)
- Highest quality of RNA
- DNA removed through DNase treatment
- Source is healthy tissue

## COMPLETE OVERVIEW

## ► First-strand cDNA\* HUMAN

Cat.-No. Single Kit (50 reactions) & Price (Euro)

### HUMAN

► CDHU 001	Brain total RNA, 100ul.....	call
► CDHU 002	Heart total RNA, 100ul .....	call
► CDHU 003	Liver total RNA, 100ul .....	call
► CDHU 004	Lung total RNA, 100ul .....	call
► CDHU 005	Spinal cord total RNA, 100ul .....	call
► CDHU 006	Stomach total RNA, 100ul.....	call
► CDHU 007	Spleen total RNA, 100ul .....	call
► CDHU 008	Kidney total RNA, 100ul.....	call
► CDHU 009	Adrenal gland total RNA, 100ul .....	call
► CDHU 010	Breast total RNA, 100ul.....	call
► CDHU 011	Caval vein total RNA, 100ul.....	call
► CDHU 012	Cervix total RNA, 100ul.....	call
► CDHU 013	Colon (ascending) RNA, 100ul.....	call
► CDHU 014	Colon (descending) total RNA, 100ul .....	call
► CDHU 015	Duodenum total RNA, 100ul .....	call
► CDHU 016	Larynx total RNA, 100ul .....	call
► CDHU 017	Lymph node total RNA, 100ul.....	call
► CDHU 018	Omentum total RNA, 100ul .....	call
► CDHU 019	Ovary total RNA, 100ul .....	call
► CDHU 020	Pancreas total RNA, 100ul .....	call
► CDHU 021	Parotid gland total RNA, 100ul .....	call
► CDHU 022	Penis total RNA, 100ul.....	call
► CDHU 023	Placenta total RNA, 100ul.....	call
► CDHU 024	Rectum total RNA, 100ul .....	call
► CDHU 025	Skeletal muscle total RNA, 100ul .....	call
► CDHU 026	Skin total RNA, 100ul .....	call
► CDHU 027	Spleen total RNA, 100ul .....	call
► CDHU 028	Stomach total RNA, 100ul.....	call
► CDHU 029	Testes total RNA, 100ul .....	call
► CDHU 030	Thymus total RNA, 100ul.....	call
► CDHU 031	Thyroid total RNA, 100ul .....	call
► CDHU 032	Tongue total RNA, 100ul .....	call
► CDHU 033	Trachea total RNA, 100ul .....	call
► CDHU 034	Umbilical cord total RNA, 100ul .....	call
► CDHU 035	Uterus total RNA, 100ul .....	call

## ► First-strand cDNA\* ANIMALS

Cat.-No. Single Kit (50 reactions) & Price (Euro)

### BOVINE

► CDB 001	Brain cDNA, 50 reactions.....	199,-
► CDB 002	Kidney cDNA, 50 reactions .....	199,-
► CDB 003	Lung cDNA, 50 reactions .....	199,-
► CDB 004	Heart cDNA, 50 reactions .....	199,-
► CDB 005	Skeletal muscle cDNA, 50 reactions .....	199,-
► CDB 006	Skin cDNA, 50 reactions .....	199,-
► CDB 007	Spinal Cord cDNA, 50 reactions .....	199,-
► CDB 008	Tongue cDNA, 50 reactions .....	199,-

### POULTRY

► CDP 001	Intestine cDNA, 50 reactions .....	199,-
► CDP 002	Kidney cDNA, 50 reactions .....	199,-
► CDP 003	Lung cDNA, 50 reactions .....	199,-
► CDP 004	Heart cDNA, 50 reactions .....	199,-
► CDP 005	Skeletal muscle cDNA, 50 reactions .....	199,-
► CDP 006	Skin cDNA, 50 reactions .....	199,-
► CDP 007	Spinal Cord cDNA, 50 reactions .....	199,-
► CDP 008	Stomach cDNA, 50 reactions.....	199,-

### PORCINE

► CDPI 001	Brain cDNA, 50 reactions.....	199,-
► CDPI 002	Lung cDNA, 50 reactions .....	199,-
► CDPI 003	Lymph node cDNA, 50 reactions.....	199,-
► CDPI 004	Kidney cDNA, 50 reactions.....	199,-
► CDPI 005	Skeletal muscle cDNA, 50 reactions.....	199,-
► CDPI 006	Heart cDNA, 50 reactions .....	199,-
► CDPI 007	Skin cDNA, 50 reactions .....	199,-
► CDPI 008	Eye cDNA, 50 reactions .....	199,-

\* Products are for research use only.

**General Information:** Technical, contents and price changes, as well as typing errors and/or misprint and mistakes reserve. All logos and brand names are property of the respective manufacturers. Printed in Germany, February 2008.

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 Please order per eMail: [order@genekam.de](mailto:order@genekam.de)