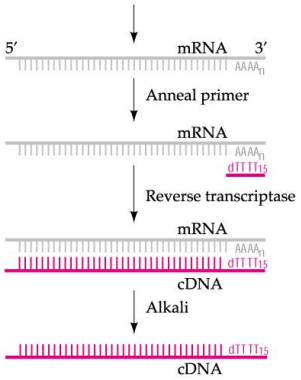
RNA REVERSE TRANSCRIPTION

Reverse transcription polymerase chain reaction (RT-PCR) is commonly used in molecular biology to detect RNA expression levels. In RT-PCR, the RNA template is first converted into complementary DNA (cDNA) using a reverse transcriptase. The cDNA is then used as a template for exponential amplification using PCR.



The High Capacity cDNA Reverse Transcription Kit (Applied Biosystems®) delivers extremely high-quality, single-stranded cDNA from 0.02 to 2 µg total RNA. Quantitative first-strand synthesis of all RNA species is achieved with the use of random primers. Downstream applications include real-time PCR, standard PCR, and microarrays.

Sample requirements:

Users should bring 10 µl of RNA samples (100 ng/µl) in 0.2 ml tubes. RNA should not be degraded. To check RNA integrity samples will be bioanalyzed using nano or picochips in 2100 Bioanalyzer.

Order number for IIBm users is compulsory. Order number can be purchased through the Lab Store Department web page (look for Genomics Services). For further information please contact: genomica@iib.uam.es

You will receive an email when your results are available so you can come and pick up your samples.