



Test your nucleic acid knowledge!

Across

- DNA is often resuspended in molecular-grade water or _____.
- Chemical compound comprising a nitrogen-containing base, one or more phosphate groups, and a five-carbon sugar.
- Reading frame without a stop codon.
- The most abundant intracellular RNA is _____ RNA.
- Process where RNA is synthesized from DNA.
- Nucleic acid research took a great leap forward when Watson and Crick proposed the _____ structure of DNA in 1953.
- Monocyclic base
- Bicyclic base

Down

- Method used to evaluate the purity of a nucleic acid preparation.
- In prokaryotes, transcription and _____ are coupled.
- DNA is made up of the following organic bases: adenine, _____, guanine, and cytosine.
- The secondary structure of DNA refers to the _____ bonding between base pairs.
- The right-handed helix is the favored confirmation, and is termed the _____.
- Method for evaluating the functional activity of DNA.
- Method used to confirm species identity.
- Microorganisms that can have RNA as their genomic material.
- For filamentous fungi, adding _____ powder solution to a PCR reaction may enhance PCR efficiency. (Hint: See the ATCC Genuine Nucleics guide)

