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# Ion Semiconductor Sequencing

National Cancer Institute

## Source

National Cancer Institute. *[Ion Semiconductor Sequencing](#)*. NCI Thesaurus. Code C125894.

A method of DNA sequencing based on the detection of hydrogen ions that are released during synthesis of a complementary strand polymerized on a template strand. This technology differs from other sequencing technologies in that no modified nucleotides or optics are used. It claims to be simpler, faster, and more cost effective and scalable than any other technology available.