

[Open Peer Review on Qeios](#)

# BGISEQ-500 Sequencing

National Cancer Institute

## Source

National Cancer Institute. *BGISEQ-500 Sequencing*. NCI Thesaurus. Code C146812.

A proprietary next-generation DNA sequencing system from BGI Genomics using combinatorial Probe-Anchor Synthesis (cPAS) and improved DNA Nanoballs (DNB) technology. The cPAS chemistry works by incorporating a fluorescent probe to a DNA anchor on the DNB, followed by high-resolution digital imaging.