



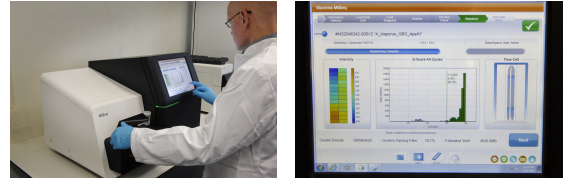
Illumina MiSeq next second generation DNA sequencer

<https://search.researchequipment.wur.nl/SearchDetail.aspx?deviceid=759e0c42-fc81-4753-9d5f-e99afb5efb71>

Brand

Illumina

Type



Contact

Elio Schijlen (elio.schijlen@wur.nl)

Organisation

Plant Sciences Group

Department

Bioscience

Description

The Illumina MiSeq desktop sequencer allows high flexibility and easy access for smaller projects like targeted re-sequencing, 16S metagenomics, small genome sequencing, with a very short turn-around time.

New MiSeq reagents enable sequencing up to 15 Gigabases derived from 25 M sequencing clusters per run.

Depending on user specified settings, reads can be single read or paired end read chemistry, with a maximum of 2x300 base pairs read length.

Key advantages of the MiSeq include:

- Longest short read sequencing (2x300 nt Paired end);
- Highest flexibility and fast run times;
- Low run cost/base;
- Best-established technology;
- Broad range of biological applications.

Applications

Broad range of biological applications including amplicon sequencing, bacterial genome sequencing, metagenomics analysis (16S, 18S, ITS)