

Nucleon BACC Genomic DNA Extraction Kits

Rapid extraction of high molecular weight genomic DNA from whole blood and cultured cells in around 30 min, with no organic solvents.

Overview

Nucleon BACC system rapidly extracts high molecular weight DNA from whole blood and cultured cells.

- Developed for rapid extraction of high-quality, high molecular weight genomic DNA from whole blood and cell cultures
- Recovers DNA ranging in size from 23 to 250 kbp as determined by pulse-field gel electrophoresis
- Features a phenol-free protocol requiring only 30 min to complete

Nucleon BACC system, genomic DNA isolation kit

There are many methods of purifying, extracting or isolating genomic DNA, and illustra Nucleon BACC Genomic DNA Extraction Kits are particularly well-adapted to the need for standardization when analyzing multiple routine samples, such as blood, cell culture, and tissue samples in core facilities.

Nucleon BACC Genomic DNA Extraction kits use a proprietary resin which is added following cell lysis, deproteinization with sodium perchlorate, and a single chloroform extraction, for a phenol-free protocol. The combination of purity and high molecular weight makes the DNA from Nucleon BACC kits suitable in multiple downstream molecular biology applications, including whole genome amplification prior to whole genome sequencing, or NGS sequencing.

Product specifications
Nucleon BACC1

Catalog code	RPN8501

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Application	Rapid extraction of high-quality, high molecular weight genomic DNA from cell cultures and blood.
Protocol length	30 min
Sample type	Cell cultures and blood
Yield	< 12 µg DNA/mg tissue
Mean Purity (A 260/280)	1.8

Nucleon BACC3

Catalog code	RPN8512
Application	Rapid extraction of high-quality, high molecular weight genomic DNA from cell cultures and blood.
Protocol length	30 min
Sample type	Cell cultures and blood
Yield	370-440 µg DNA/mg tissue
Mean Purity (A 260/280)	1.8

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