

NGS-Turbo[®]

High-resolution HLA typing
within 3 hours



Nanopore Sequencing

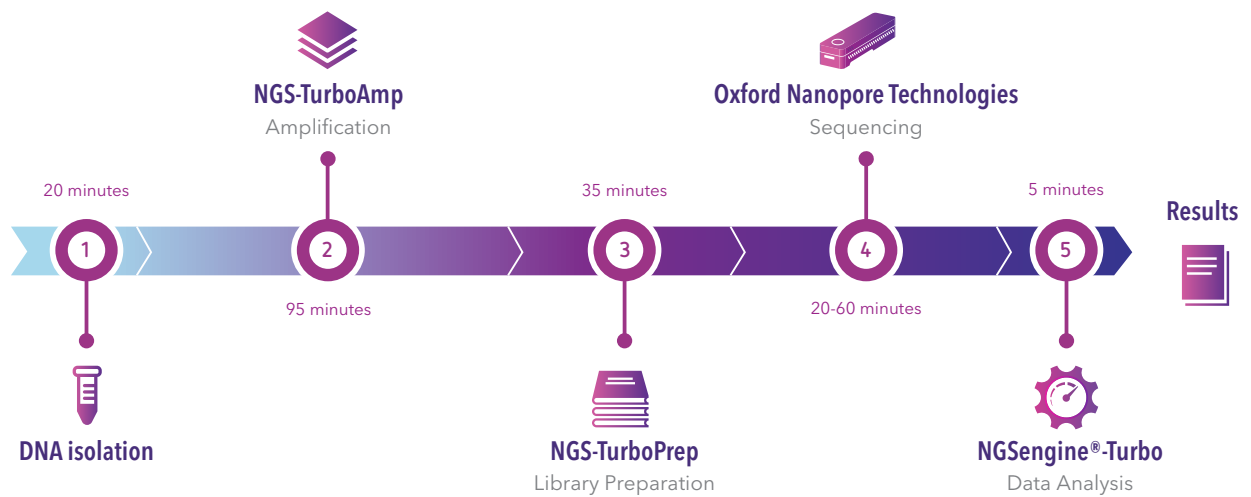
11 loci whole gene

Single tube library preparation



HIGH-RESOLUTION HLA TYPING WITHIN 3 HOURS

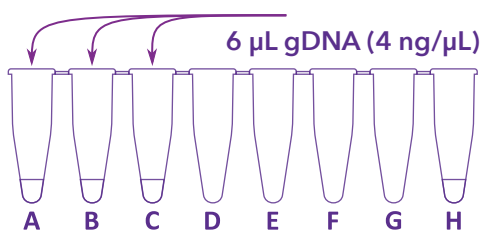
NGS-Turbo® is the ultimate solution for high-resolution HLA typing, designed for situations where speed and ease of use are paramount. With the power of Oxford Nanopore Technologies sequencing devices, NGS-Turbo® revolutionizes HLA typing by delivering accurate and reliable results in less than 3 hours, currently the fastest in the market!



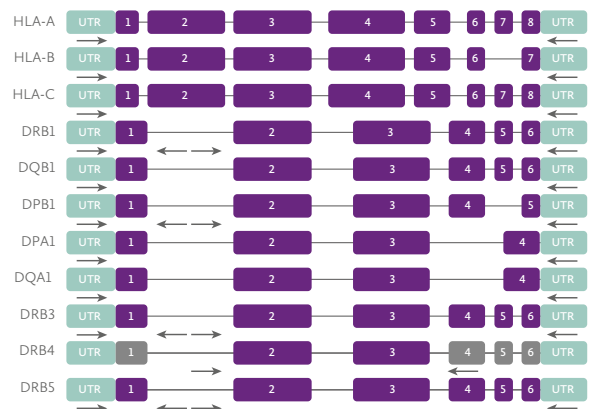
AMPLIFICATION AS SIMPLE AS IT CAN BE

NGS-TurboAmp provides primers premixed together with enzyme, buffer, and water. You only need to add your DNA sample.

NGS-TurboAmp offers 11 HLA loci amplification using a whole-gene approach, resulting in at least 2-field resolution.



Amplification: simply add DNA



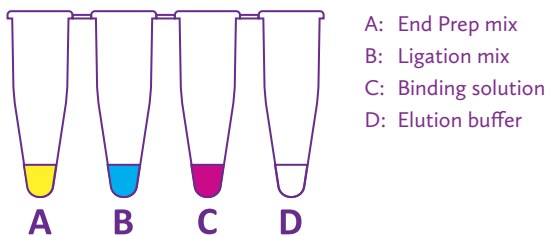
NGS-TurboAmp offers a whole-gene coverage

EASY SINGLE-TUBE LIBRARY PREPARATION

NGS-TurboPrep allows for library preparation in just 30 minutes. The procedure has no fragmentation, and therefore results in full-length intact amplicons. With the added convenience of room temperature incubations and the ability to pause the process at any time, NGS-TurboPrep is the smart choice for workflow simplicity.



NGS-TurboPrep components are added to the workflow tube one at a time, with simple room temperature incubation steps in between



Single-tube workflow with limited components designed for optimal ease of use

NANOPORE SEQUENCING

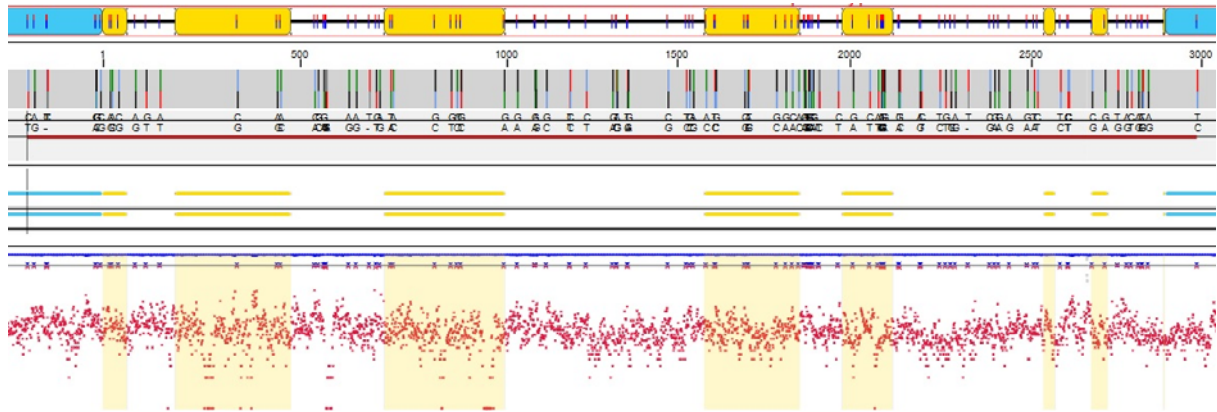
NGS-Turbo is compatible with R10.4.1 flow cells and can be sequenced on MinION Mk1B and GridION sequencers from Oxford Nanopore Technologies, delivering rapid results in as little as 20 minutes per sample.



MinION Flow Cell

ANALYSIS USING THE ESSENTIALS OF NGSENGINE®

After sequencing, our designated software, NGSengine®-Turbo, provides data analysis within minutes. Analysis is based on renowned NGSengine algorithms and overviews, while providing even more analysis simplicity and minimal data inspection time. Reporting is straightforward and provides exactly what you need to communicate your typing results.



Representative data analyzed by NGSengine-Turbo

Challenge us with

YOUR QUESTIONS

Our Support team can assist you with product questions, practical matters, data interpretation, and more support@gendx.com

eurobio gendx

Alexander Numan Building
Yalelaan 48
3584 CM Utrecht
the Netherlands
Phone: +31 30 2523799

Cumberland Metro Office Park
5521 N. Cumberland Avenue
Suite 1116
Chicago, IL 60656 USA
Phone: +1 312 815 5006

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www.GenDx.com

info@gendx.com

