

truXTRAC™ DBS DNA

NGS-grade DNA from Dried Blood Spots

- Extract and purify genomic DNA from DBS
- Highest yield and quality from standard newborn screening cards
- Designed for NGS library preparation
- Fully compatible with q(PCR) and other molecular analyses
- Tunable Shearing, if required
- Simple, robust, high throughput workflow



Highest Quality

- Highest purity templates for downstream molecular analyses
- Uniform whole genome coverage
- Unbiased GC content comparable to fresh whole blood

The truXTRAC DBS DNA kit enables efficient NGS library preparation and accurate sequencing from dried blood spots

Whole Genome Coverage comparable to fresh blood

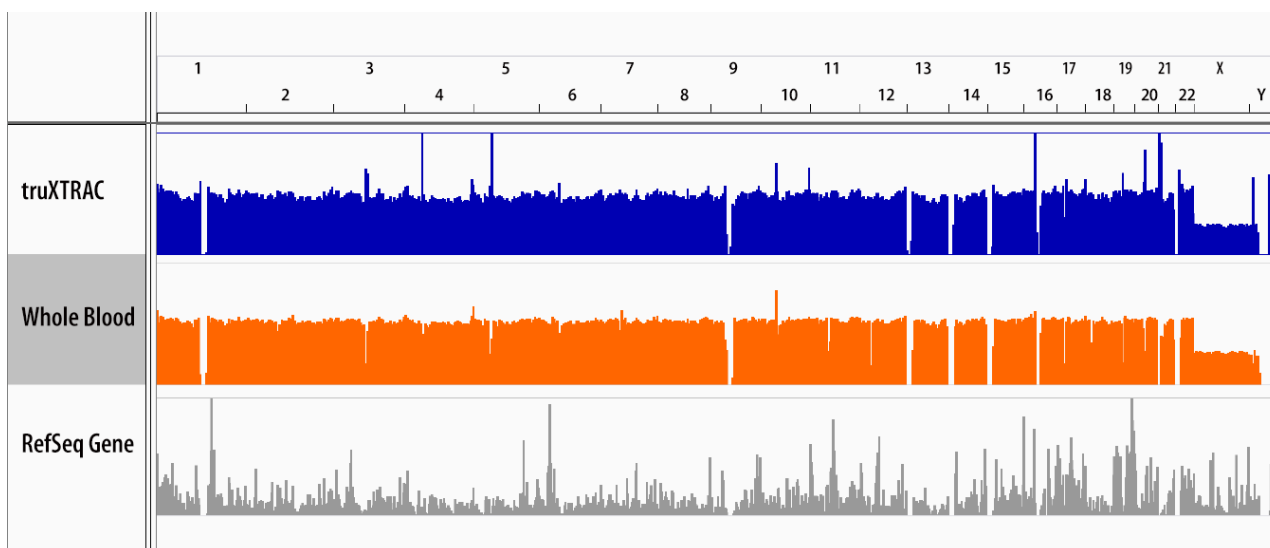


FIGURE 1. Uniform coverage depth. Uniform whole genome 10X coverage obtained using truXTRAC DBS extracted DNA that is comparable to the uniformity and coverage depth obtained from DNA extracted from fresh blood.

Highest Yield

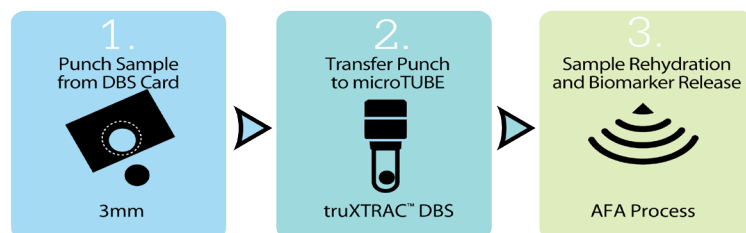
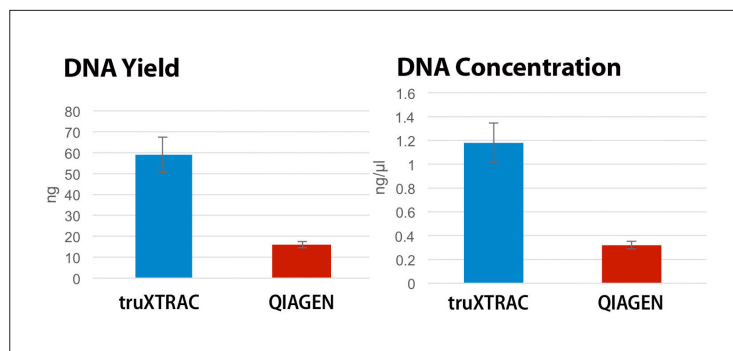
- Unique active sample rehydration and cellular lysis with patented Covaris AFA technology
- > 60 ng gDNA from a single 3 mm DBS punch, multiple-punch options also available
- DNA directly compatible with NGS input requirements

Highest Throughput

- Scalable from 1 to 96 samples (serial and parallel)
- Compatible with all Covaris Focused-ultrasonicators
- DNA purification options from both columns and magnetic bead-based solutions
- Integrated DNA fragmentation to chosen size of 200 bp to 2 Kb

Easy to Adopt & Implement

- Compatible with standard newborn screening cards such as Whatman and PerkinElmer
- No change in sampling collection, shipping or storage required
- Ideal for archived samples from clinical studies
- Simplified automatable workflow
- Standardize protocols
- NIST certified instrumentation - proven, robust
- 90 minute total processing time



PRODUCT INFORMATION		
Part #	Product Name	Description
520180	truXTRAC DBS DNA kit	The kit contains reagents and consumables required for the high yield and high quality DNA extraction and column-based purification of 25 DBS samples. Optimized to work with 3 mm punches from standard DBS cards. <small>*Bead-based purification kit is in development.</small>
500406	Heat Block microTUBE Adapters (10)	Heat Block microTUBE Adapters are designed to fit a microTUBE into a heating block designed for 1.5 or 2 ml microcentrifuge tubes. Quantity (10) per each package.