QuantiBlot® Human DNA Quantitation Kit

The QuantiBlot® Human DNA Quantitation Kit is based on hybridization of a biotinylated oligonucleotide probe to extracted DNA samples immobilized on a nylon membrane. The probe is complementary to a primate-specific alpha satellite DNA sequence at the D17Z1 locus. Accurate sample quantitation is based on visual comparison of test samples to diluted DNA standards. Including signal development time, quantitative results can be obtained in less than two hours from as little as 0.15 ng to 10 ng of human or primate DNA.

The QuantiBlot kit is useful for screening samples for a variety of applications because it provides the ability to rapidly quantify both single- and double-stranded DNA. Quantitation of sample DNA is extremely important for STR analysis in order to obtain optimal results. Both colorimetric and chemiluminescent detection protocols are provided, allowing individual laboratories the flexibility to choose between the two methods.

The QuantiBlot Human DNA Quantitation Kit includes sufficient reagents for the analysis of up to 10 membranes. When using a 48-well slot blot apparatus, up to 38 test samples, two DNA calibrators and eight DNA standards can be blotted on each membrane, for a total of 480 tests per kit.

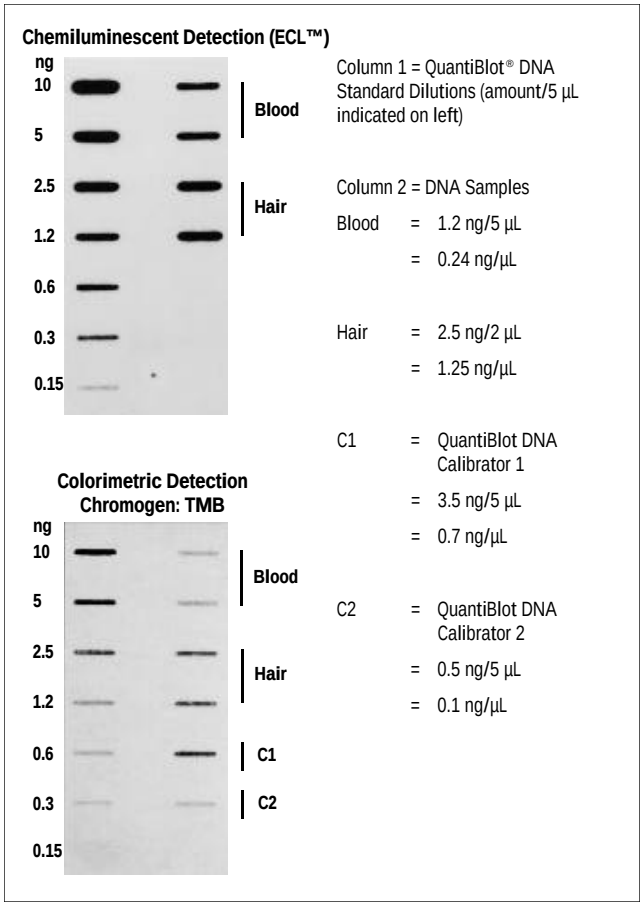


Figure 1. Accurate sample quantitation is based on visual comparison of test samples to diluted DNA standards.

Ordering Information

Description	Quantity	P/N
QuantiBlot Human DNA Quantitation Kit*	480 tests	N808-0114
Chromogen: TMB*	60 mg	N808-0092
Hybridization Trays	12 trays	N808-0136
Hybridization Tray Retainer	1 each	N808-0137

*Storage conditions: 2–8°C



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