

# Low Abundance DNA or RNA Quantification Kits



- ✓ Quantify DNA or RNA of a wide spectrum of concentrations, including the lower ng per  $\mu\text{L}$ , pg per  $\mu\text{L}$  and sub-pg per  $\mu\text{L}$  range
- ✓ Compatible with any Real-Time PCR system
- ✓ DNA or RNA is accurately quantified using a standard curve constructed from the provided DNA/RNA standard
- ✓ Ideal for quantifying RNA and DNA isolated from urine, plasma/serum, exosomes and other low yield samples

## Quantify DNA or RNA of a Wide Spectrum of Concentrations

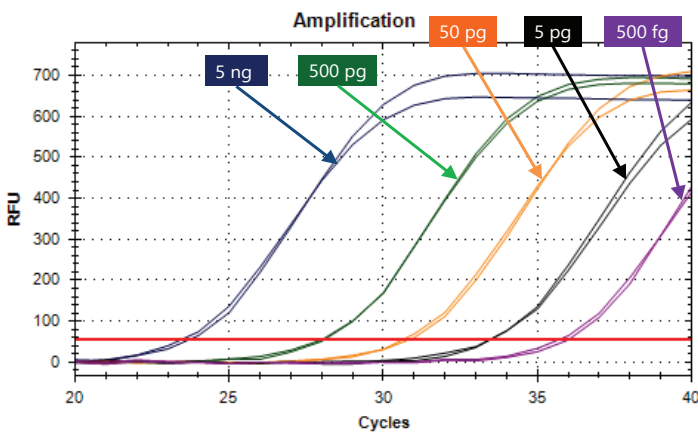


Figure 1. Sensitivity of DNA Quantification in the Picogram Range using the Low Abundance DNA Quantification Kit.

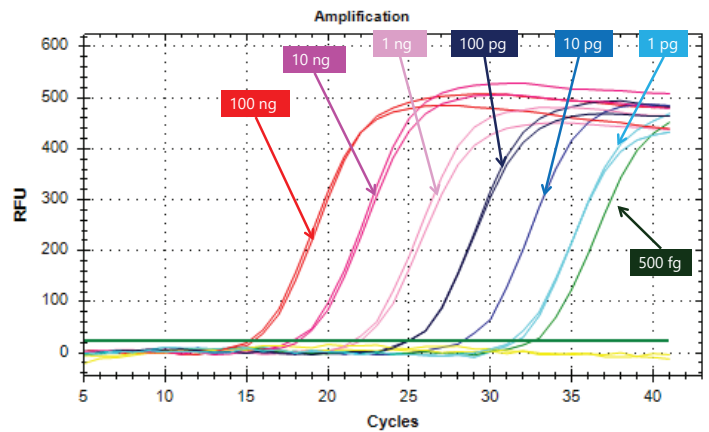


Figure 2. Sensitivity of RNA Quantification in the Picogram Range using the Low Abundance RNA Quantification Kit.

# Dynamic Range of DNA and RNA Quantification Methods

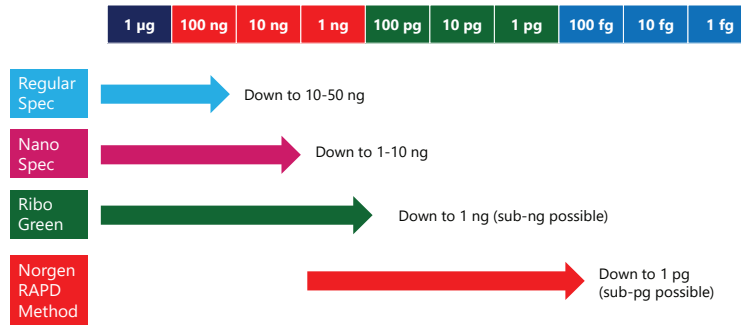


Figure 3. Sensitivity of DNA or RNA Quantification of the Low Abundance DNA/RNA Quantification Kit Compared to Other Methods.

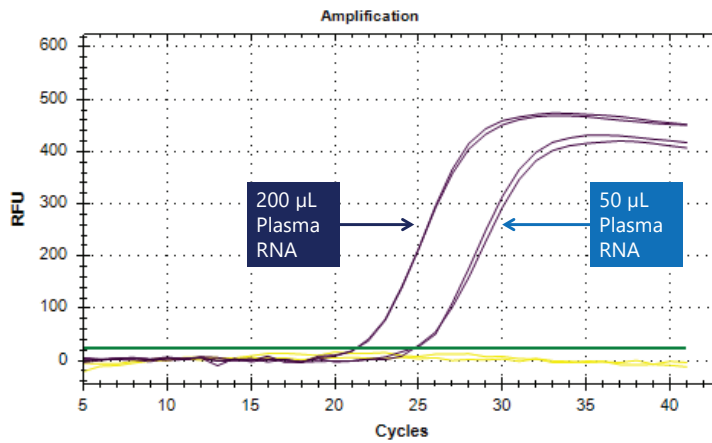


Figure 4. Sensitivity of RNA Quantification from Small Volumes of Human Plasma using the Low Abundance RNA Quantification Kit.

## Low Abundance Quantification Kit Components

DNA Quantification Kit (Cat. 57200)	
2X PCR Master Mix	1 mL
DNA Quantification Primer Set Mix	200 µL
Quantified DNA Standard	100 µL
Nuclease-Free Water	1.25 mL
Product Insert	1

RNA Quantification Kit (Cat. 58900)	
microScript microRNA Enzyme Mix	50 µL
2x microScript Reverse Transcriptase Reaction Mix	0.5 mL
2X PCR Master Mix	1 mL
RNA Quantification Primer Set Mix	200 µL
Quantified DNA Standard	100 µL
Nuclease-Free Water	2 x 1.25 mL
Product Insert	1

v2.0

### Ordering information

Description	Size	Cat. Number
Low Abundance DNA Quantification Kit	48 rxns	57200
Low Abundance RNA Quantification Kit	48 rxns	58900

