

resDNASEQ™ Quantitative DNA Kits

For (Genomic DNA) CHO, *E. coli*, HEK293, Human, MDCK, NS0, *Pichia*, Sf9 and Baculovirus, and Vero
For (Plasmid DNA) Kanamycin resistance

Catalog Numbers 4402085, 4458435, A46014, A26366, 4464335, 4458441, 4464336, A46066, A41797, A50337

Pub. No. 4460661 Rev. G

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

The resDNASEQ™ Quantitative DNA Kits are used to quantitate host-cell line residual DNA from CHO, *E. coli*, Human, HEK293, MDCK, NS0, *Pichia*, Sf9 and Baculovirus, and Vero cell lines, or plasmid residual DNA for Kanamycin resistance, during the production of biopharmaceutical products.

Contents

Table 1 resDNASEQ™ Quantitative CHO DNA Kit (Cat. No. 4402085)

Contents	Amount	Storage
resDNASEQ™ CHO DNA Control		
CHO DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C
resDNASEQ™ CHO Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
10X CHO DNA Real-Time PCR Assay Mix	300 μL	-25°C to -15°C, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use

Table 2 resDNASEQ™ Quantitative *E. coli* DNA Kit (Cat. No. 4458435)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X <i>E. coli</i> DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
resDNASEQ™ <i>E. coli</i> DNA Control		
<i>E. coli</i> DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 3 resDNASEQ™ Quantitative HEK293 DNA Kit (Cat. No. A46014)

Contents	Amount	Storage
resDNASEQ™ HEK293 DNA Control		
HEK293 DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C
resDNASEQ™ HEK293 DNA Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
10X HEK293 Assay Mix	300 μL	-25°C to -15°C, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use

Table 4 resDNASEQ™ Quantitative Human DNA Kit (Cat. No. A26366)

Contents	Amount	Storage
resDNASEQ™ Human DNA Control		
Human DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C
resDNASEQ™ Human Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
10X Human DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use

Table 5 resDNASEQ™ Quantitative MDCK DNA Kit (Cat. No. 4464335)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X MDCK DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
resDNASEQ™ MDCK DNA Control		
MDCK DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 6 resDNASEQ™ Quantitative NS0 DNA Kit (Cat. No. 4458441)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X NS0 DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
resDNASEQ™ NS0 DNA Control		
NS0 DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 7 resDNASEQ™ Quantitative *Pichia* DNA Kit (Cat. No. 4464336)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X <i>Pichia</i> DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
resDNASEQ™ <i>Pichia</i> DNA Control		
<i>Pichia</i> DNA Control, 30 ng/μL	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 8 resDNASEQ™ Quantitative Sf9 and Baculovirus DNA Kit (Cat. No. A46066)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X Sf9 + Baculovirus DNA Assay Mix	300 μL	-25°C to -15°C, protect from light
resDNASEQ™ Sf9 and Baculovirus DNA Control		
Multiplex DNA Control with: <ul style="list-style-type: none"> Sf9 DNA Control, 30 ng/μL Baculovirus DNA Control, 30 ng/μL 	40 μL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 9 resDNASEQ™ Quantitative Vero DNA Kit (Cat. No. A41797)

Contents	Amount	Storage
resDNASEQ™ Real-Time PCR Reagents		
2X Environmental Master Mix	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use
10X Vero DNA Assay Mix	300 µL	-25°C to -15°C, protect from light
resDNASEQ™ Vero DNA Control		
Vero DNA Control, 30 ng/µL	40 µL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C

Table 10 resDNASEQ™ Quantitative Plasmid DNA - Kanamycin Resistance Gene Kit (Cat. No. A50337)

Contents	Amount	Storage
resDNASEQ™ Kanamycin DNA Control		
KanR DNA Conc: 3 × 10 ⁷ copies/µL	44 µL	-25°C to -15°C
DNA Dilution Buffer (DDB)	7 mL	2-8°C
resDNASEQ™ Kanamycin DNA Real-Time PCR Reagents		
2X Environmental Master Mix 3.0	2 × 0.75 mL	-25°C to -15°C before first use, protect from light 2-8°C after first use, protect from light
10X KanR Assay Mix	300 µL	-25°C to -15°C, protect from light
Yeast tRNA (10mg/mL)	500 µL	-25°C to -15°C
Negative Control (water)	1.0 mL	-25°C to -15°C before first use 2-8°C after first use

Limited product warranty

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Revision history: Pub. No. 4460661

Revision	Date	Description
G	2 April 2021	Add resDNASEQ™ Quantitative Plasmid DNA - Kanamycin Resistance Gene Kit (Cat. No. A50337).
F	5 August 2020	Add resDNASEQ™ Quantitative Sf9 and Baculovirus DNA Kit (Cat. No. A46066).

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