

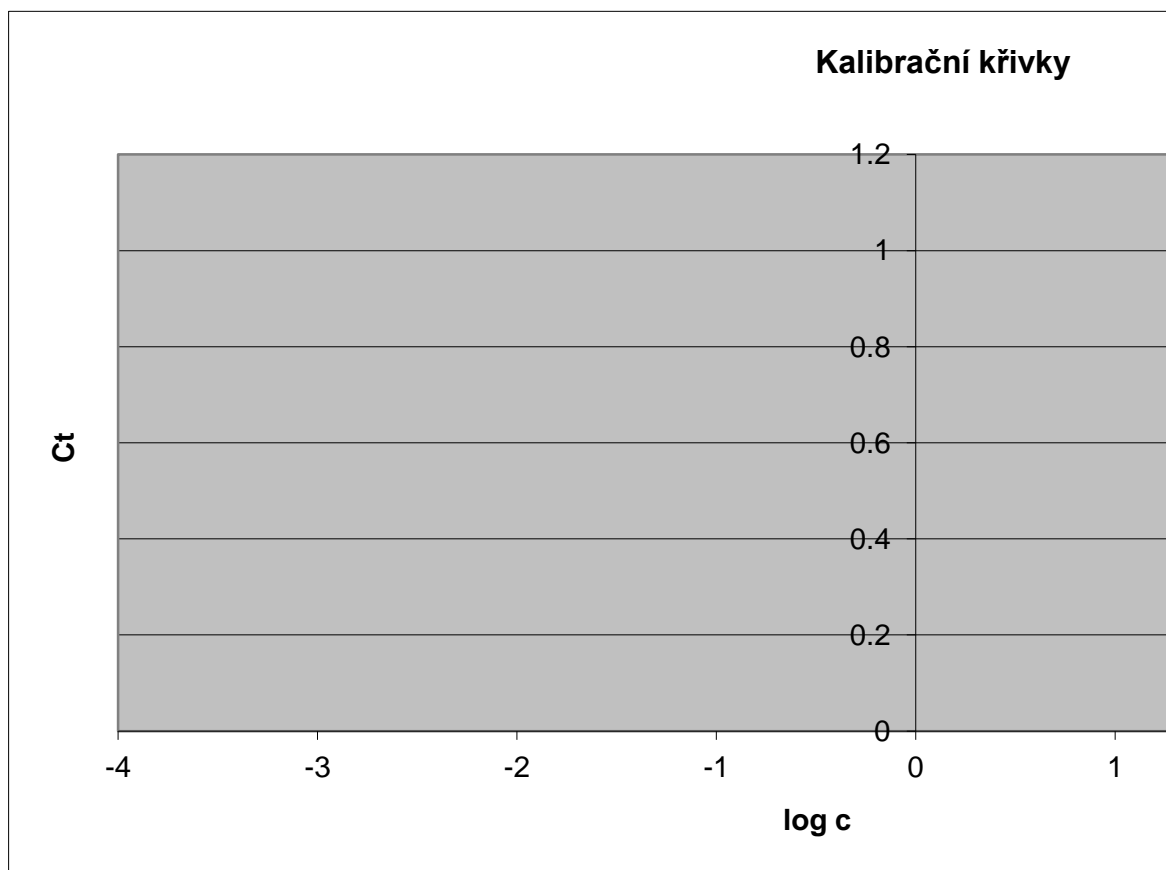
c (ng/ul)	log c
75	1.875061
7.5	0.875061
0.75	-0.1249387
0.075	-1.1249387
0.0075	-2.1249387
0.00075	-3.1249387

GAPDH		gen 1		g
Vzorek	Ct	Vzorek	Ct	Vzorek
undil		undil		undil
undil		undil		undil
undil		undil		undil
undil		∅		∅
undil		10x		10x
undil		10x		10x
∅		10x		10x
10x		∅		∅
10x		100x		100x
10x		100x		100x
10x		100x		100x
10x		∅		∅
10x		1000x		1000x
∅		1000x		1000x
100x		1000x		1000x
100x		∅		∅
100x		10 000x		10 000x
100x		10 000x		10 000x
100x		10 000x		10 000x
100x		∅		∅
∅		100 000x		100 000x
1000x		100 000x		100 000x
1000x		100 000x		100 000x
1000x		∅		∅
1000x				
1000x				
1000x				
∅				
10 000x				
10 000x				
10 000x				
10 000x				

10 000x	
10 000x	
∅	
100 000x	
100 000x	
100 000x	
100 000x	
100 000x	
100 000x	
∅	

Kontroly

NTC		
GAPDH	gen 1	gen 2
noRT		
GAPDH	gen 1	gen 2



GAPDH $y =$

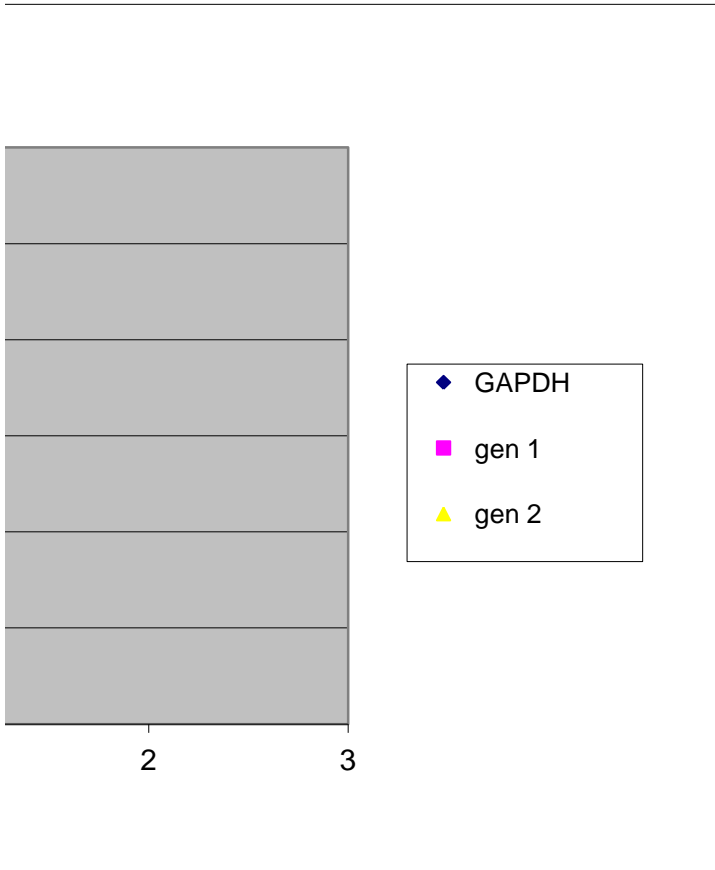
$$E = (10^{-1/k} - 1) \times 100 = \%$$

gen 1 $y =$

$$E = (10^{-1/k} - 1) \times 100 = \%$$

gen 2 $y =$

$$E = (10^{-1/k} - 1) \times 100 = \%$$



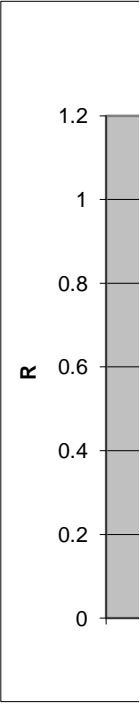
S 20% FBS

GAPDH		gen 1	
Vzorek	Ct	Vzorek	Ct
cDNA		cDNA	
cDNA		cDNA	
cDNA		cDNA	
∅		∅	
EtOH 1 µl		EtOH 1 µl	
EtOH 1 µl		EtOH 1 µl	
EtOH 1 µl		EtOH 1 µl	
∅		∅	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
∅		∅	
GAPDH		gen 2	
Vzorek	Ct	Vzorek	Ct
cDNA		cDNA	
cDNA		cDNA	
cDNA		cDNA	
∅		∅	
EtOH 1 µl		EtOH 1 µl	
EtOH 1 µl		EtOH 1 µl	
EtOH 1 µl		EtOH 1 µl	
∅		∅	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
EtOH 2 µl		EtOH 2 µl	
∅		∅	

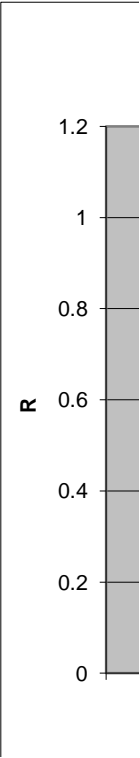
Bez 20% FBS		
GAPDH		gen 1
Vzorek	Ct	Vzorek
cDNA		cDNA
cDNA		cDNA
cDNA		cDNA
∅		∅
GAPDH		gen 2
Vzorek	Ct	Vzorek
cDNA		cDNA
cDNA		cDNA
cDNA		cDNA
∅		∅

Vzorek	gen 1	GAPDH
S 20% FBS		
Bez 20% FBS		
Vzorek	gen 2	GAPDH
S 20% FBS		
Bez 20% FBS		

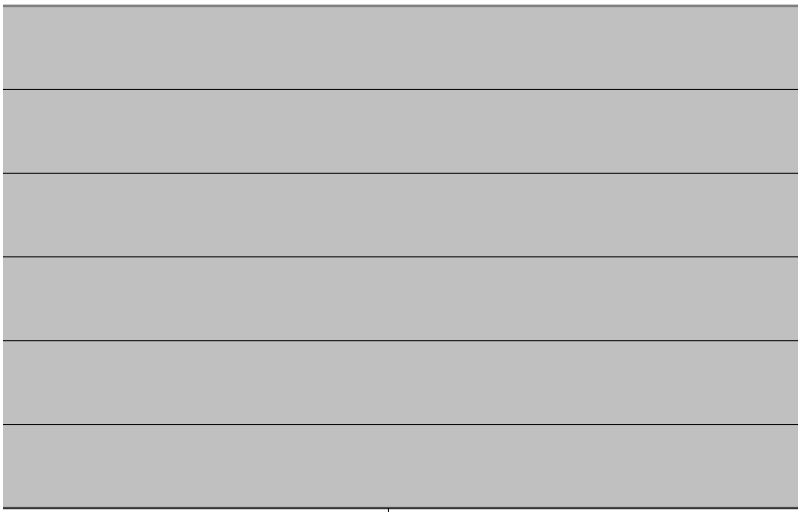
Ct
Ct



	ΔCt	$\Delta\Delta Ct$	R
	ΔCt	$\Delta\Delta Ct$	R



Normalizovaná exprese genu 1 vůči GAPDH



1

2

1 S 20% FBS

2 Bez 20% FBS

Normalizovaná exprese genu 2 vůči GAPDH



1

2

1 S 20% FBS
2 Bez 20% FBS