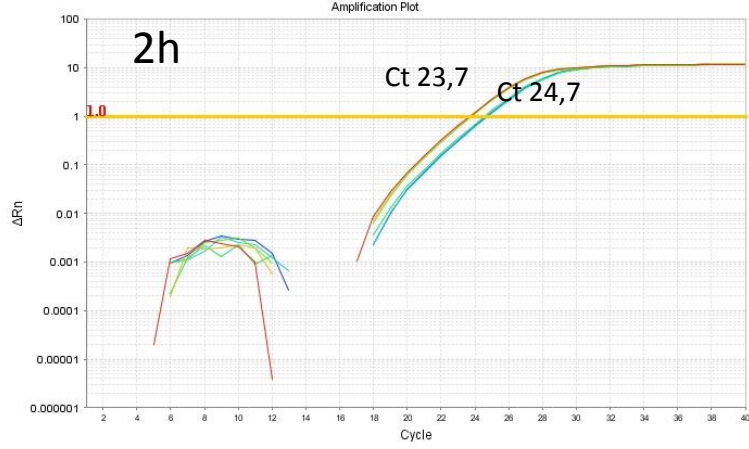
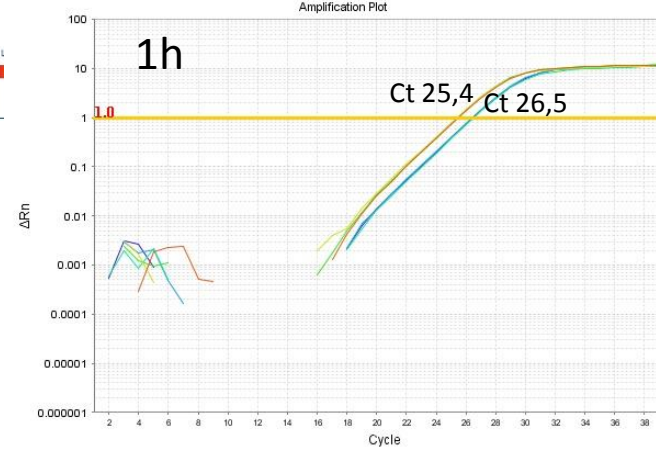
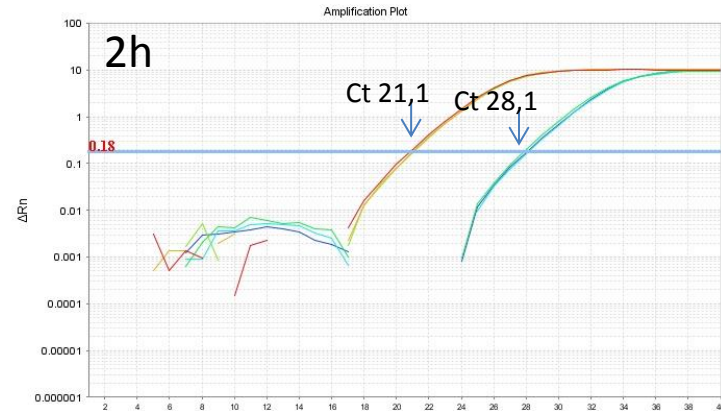
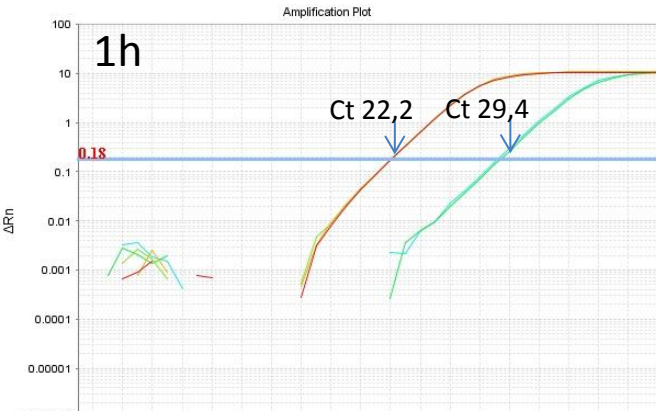


Comparative Test of SensiFast SYBR Hi-Rox mix

1) Comparison PCR 2h and fast

2 genes: Klf4 and one housekeeping Pbgd

2 samples: ES and EpiSC, cDNA 2µg de RT diluted 120 times, 8µl of template/PCR de 20µl



We loose about one Ct with fast PCR

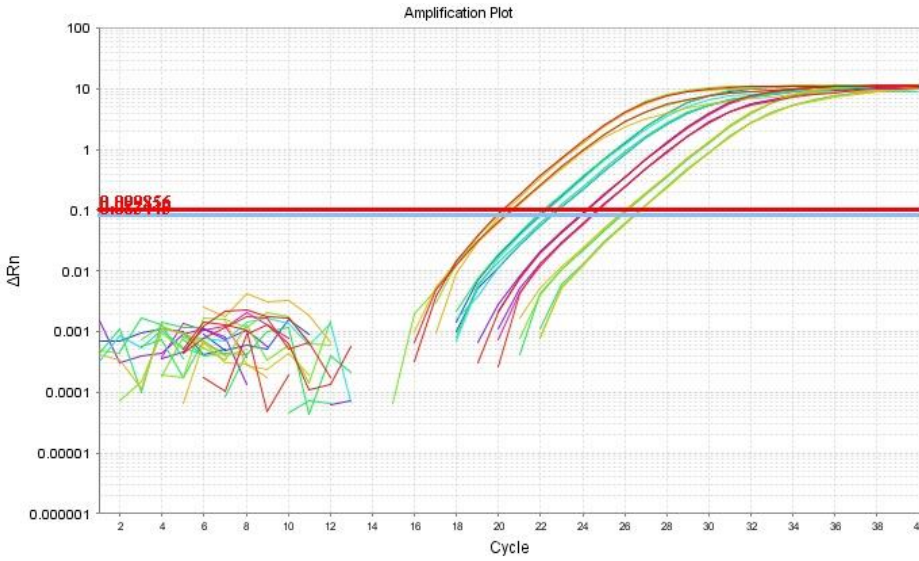
2) Comparison Sensifast and our usual Sybrgreen (Applied) mix, PCR 2h

Template: cDNA 2µg de RT

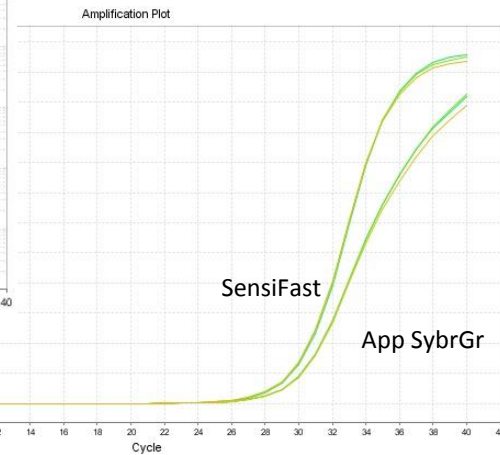
First dilution 120 times

Then dilution 1/4- 1/16 – 1/32 – 1/64

SENSIFAST	Ct mean	App SYBRGR	Ct mean
SF ESC	20.1	SG ESC	20.5
SF ESC dil4	22.0	SG ESC dil4	22.6
SFESC dil16	23.9	SG ESC dil16	24.5
SF ESC dil64	25.8	SG ESC dil 64	26.6

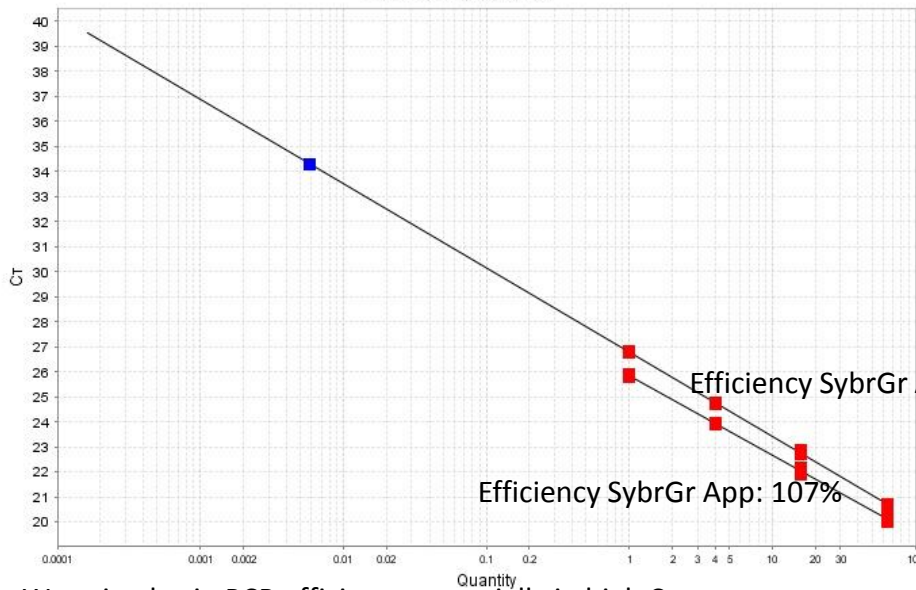


We gain ½ Ct of sensitivity with SensiFast



Linear scale: steeper initiation (so more accurate) of the amplification with Sensifast

Standard Curve



We gain also in PCR efficiency, especially in high Ct range

Efficiency SybrGr App: 98%

Efficiency SybrGr App: 107%