## How to set up a qPCR experiment on the Viia7

- 1. Spin down your <u>transparent</u> 384–well plate and put a sealer.
- 2. On the touch screen Viia7 machine press "Power" at the bottom left then "Eject" on the bottom right.
- 3. Place the plate with well A1 at the top left corner. Press "Eject".
- 4. On the Viia7 software's main menu, click **Experiment Setup**.



- 5. Complete the information page:
  - The name and date of your project
  - 384-well Block
  - Standard Curve or Comparative CT ( ΔΔCt )
  - TaqMan or SYBR
  - Fast ( if using plates from the platform )

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Setup	How do you want to identify this experiment?  Experiment Name: 2014-03-19 134337  Excess	Comments:		~
Experiment Properties	User Name:			×
Define	* Which block are you using to run the experiment?			
Assign	✓ 384-Well Block	Array Card Block	96-Well Block (0.2ml.)	Fast 96-Well Block (0.1mL)
KAN CRUIDU	What type of experiment do you want to set up?			
Materials List	Standard Curve	Relative Standard Curve	Comparative Cτ (ΔΔCτ)	Melt Curve
	Genotyping	Presence/Absence		
Run	*Which reagents do you want to use to detect the target seque	nce?		
	✓ TagMan⊗ Reagents	SYBR® Green Reagents	Other	
×	• What properties do you want for the instrument run?			
Export	Standard 🗸	Fast		

- 6. In the left menu, click **Define**.
- 7. Enter the name of your genes. Click on "New" to add.
- 8. Enter the name of your samples. Click on "New" to add.

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Experiment News	Experiment: 2014-03-19 134337		Type: Comparat	ive Cτ (ΔΔCτ)		Reagents: TaqMan® Reagents		2				
-	Targets					Samples						
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	Target 4	FAM V	NFQ-MGB	×	~	Sample 4	-	~				
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- 9. In the left menu, click **Assign**.
- 10. Assign each sample and each gene by selecting their corresponding wells.

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- 11. If using a specific protocol, click **Run Method** in the left menu and change the parameters manually. Otherwise, do not modify the program.
- 12. Save the file on the hard disk. Create a folder under your name :
  - D: \ Applied Biosystems \ Viia7 Software v1.2 \ experiments
- 13. In the left menu, click **Run**, and then click the green **Start Run** button.

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File Edit Instrument	Analysis Tools Help
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Experiment Menu	Experiment: 2014-03-19 134337 Ty
-	Run Status
Setup	START RUN
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Run	Amplification Plot
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Temperature Plot	Amplification Plot
Run Method	
Notification Settings	
View Run Data	1

14. Vous pouvez transférer votre fichier du dossier D:\ à votre dossier sur le P:\