

Digital-qPCR machine : QX200-Biorad

Staff in Charge

★ Tessa FREDRIKSEN

- CRC Equipe 15 (escaliers E – 3^{ème})
- Tel : 01-44-27-90-98
- <mailto:Tessa.fredriksen@crc.jussieu.fr>

★ en cas d'absence : Céline OSINSKI

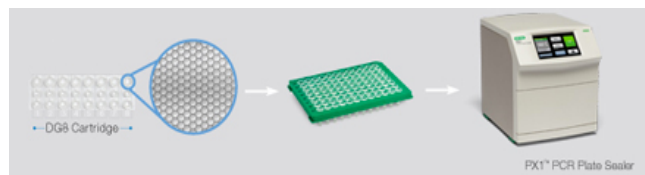
- CRC Equipe 4 (Escaliers A - rdc)
- Tel : 01-44-27-24-17
- <mailto:Celine.osinski@crc.jusieu.fr>

Work Flow / Description

★ **Droplet Generator** : load your ddPCR reaction mix into a 8 wells cartridge to generate 20.000 droplets/wells. Then, manually transfer your reaction mix in a 96 wells classical PCR plate



★ **PX1PCR plate sealer system** : seal your classical 96 wells PCR plate



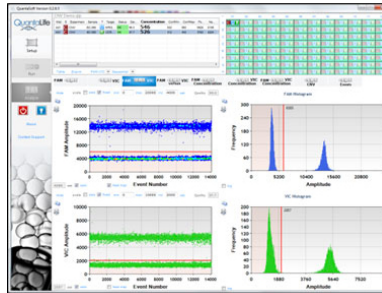
★ **C1000 Touch**: perform your ddPCR end-point reaction in a 96wells classical eppendorf PCR plate.



★ **Droplet Reader** : read the fluorescens of each droplet one by one.



★ **QuantaSoft** : analyse your data with this open access software



★ **Price/Booking** :

- Not Yet fixed (about 20 euros/ plate)
- Ask Tessa Fredriksen for booking the machine on crc web site (CBG materials)

Applications

- ★ Gene expression
- ★ Copy number variation (CNV)
- ★ Mutations
- ★ Rare sequence detection
- ★ NGS : Bank quality/quantity

Duplex FAM/HEX or FAM/VIC

Possibility of using EVAgreen probes

MAINTENANCE/QUALITY CONTROL

- ★ Biorad : complete maintenance once a year
- ★ More informations : http://www.biorad.com/webroot/web/pdf/lsr/literature/Bulletin_6311.pdf