Number of cells Number of genes < 100 100 - 500 500 - 1,000 1,000 - 5,000 > 5,000 < 1,000 20 x 20 25 x 25 30 x 30 35 x 35 40 x 40 1,000 - 10,000 30 x 30 35 x 35 40 x 40 45 x 45 50 x 50 45 7 45 10 000 50 000 10 4 10 $FO \times FO$

Size recommendation

(Intel Core i7) Number of genes

1.000 - 10.000

10,000 - 50,000

< 1,000

Number of cells

< 100

~ 3 h

< 1 min

~ 20 min

10,000 - 50,000	40 X 40	45 X 45	50 X 50	55 X 55	00 X 00
Approx. runtime					

500 - 1.000

~ 25 min

~ 7 h

 $\sim 2 d$

1,000 - 5,000

~ 3 h

~ 2 d

~ 25 d

> 5,000

> 1 month

> 5 h

> 3 d

100 - 500

~ 10 min

~ 2 h

~ 25 h