

## Sterility (Mycoplasma, Bacteria/Yeast/Fungi)

Cell line / Passage No.	Djasinga orang iPSC cl 66I / p14
Cell bank	MB01
Operator name	Jeong-Eun Lee
Test date	05.05.2022
Protocol	8.1.3 Mycoplasma testing_qPCR Minerva
Samples	1: Negative Control (culture medium of Cell Line tested) 2: Positive Control (Mycoplasma DNA from <i>Venor®GeM qOneStep Kit</i> ) 3: Cell culture supernatant from cell line

### Bacteria/Yeast/Fungi

#### **Test**

Cells were cultured without the addition of antibiotics over a period of 7 days. Cultures were checked daily for growth of bacteria, yeast and fungi by microscopy.

#### **Results**

No turbidity of the cell culture medium or microbial colonies were detected.

### Mycoplasma

#### **Test**

Cells were cultured without the addition of antibiotics to a confluency of 80-90%. Mycoplasma contamination was tested by the qPCR-based *Venor®GeM qOneStep Kit*. Mycoplasma are detected at 520 nm by amplifying the 16S rRNA coding region in the mycoplasma genome. False-negative results caused by PCR inhibition are identified by the internal amplification control, detected at 560 nm.

Mycoplasma 520 nm	Internal amplification control 560 nm	Interpretation
Ct<40	Irrelevant	Sample is Mycoplasma contaminated
Ct≥40	Ct≥40	qPCR inhibition
Ct≥40	Ct<40	Sample is Mycoplasma free

#### **Results**

Sample	Ct of Mycoplasma DNA	Ct of Internal amplification DNA	Result
1 (neg. control)	>45	28,1	Passed
2 (pos. control)	25,6	28,3	Passed
3	>45	28,3	Negative

### Conclusion

The cell line Djasinga orang iPSC cl 66I MB01 p14 was tested negative for Mycoplasma and Bacteria/Yeast/Fungi.

Responsible person / date: Jeong-Eun Lee/ 05.05.2022