

Postal address RISE IVF AB Box 104 SE-431 22 MÖLNDAL Tfn +46 (0)31 706 60 00 Fax +46 (0)31 706 63 65		Visiting address Argongatan 30, SE- 431 53 MÖLNDAL Org. nr. 556053-1526 VAT no. SE556053-152601	
Client Swatab Jägershillgatan 26 213 75 Malmö		Client's ref. no.	
		Contact person Per Hansson	Our ref. no. 5190264-1 rev 1

Object

Evaluation of laundering process, with water from Water System Diro[®], regarding bacterial reduction.

Test Material

1	Water System Diro [®] from Swatab
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The water system was installed by the client 2019-03-22.

Procedure and results

The evaluation of bacterial reduction was performed according to ISO 14698-1 Appendix E, at RISE Research Institutes of Sweden in Borås, see RISE test report 9P02697-1.

The washes were performed at RISE IVF in Mölndal.

Before wash the washing machines were cleansed by running a wash programme with Water System Diro[®].

Table 1 Washes

Water used	Diro [®]
Washing machine	Electrolux Wascator FOM 71 CLS
Standard	ISO 6330:2000
Procedure/temperature	Modified N-cycles were the main wash was prolonged to 20 min <ul style="list-style-type: none"> • Cold wash (approx. 20 °C) • 40 °C • 60 °C • 70 °C
Number of washes	One wash cycle per bacteria
Ballast	No ballast was used
Detergent	No detergent was used
Date of test	2019-03-26 (E.coli) and 2019-03-28 (E.hirae)

Table 2 reduction factor,

Bacteria	Cold wash	40 °C	60 °C	70 °C
E.coli	3×10^3	1×10^3	1×10^6	2×10^7
E.hirae	2×10^4	3×10^4	7×10^5	5×10^5

All results relate only to the material tested.

Comment

According to ISO 14698-1 the laundering process should ensure reduction by a factor of at least 10^5 of the number of bacteria.

Appendix Test report 9P02697-1 from RISE Research Institutes of Sweden

Mölndal, 2019-05-14
RISE IVF AB
Analysis and certification


Ann Stare
Technical Reviewer


Ingegerd Hartmann
Project leader