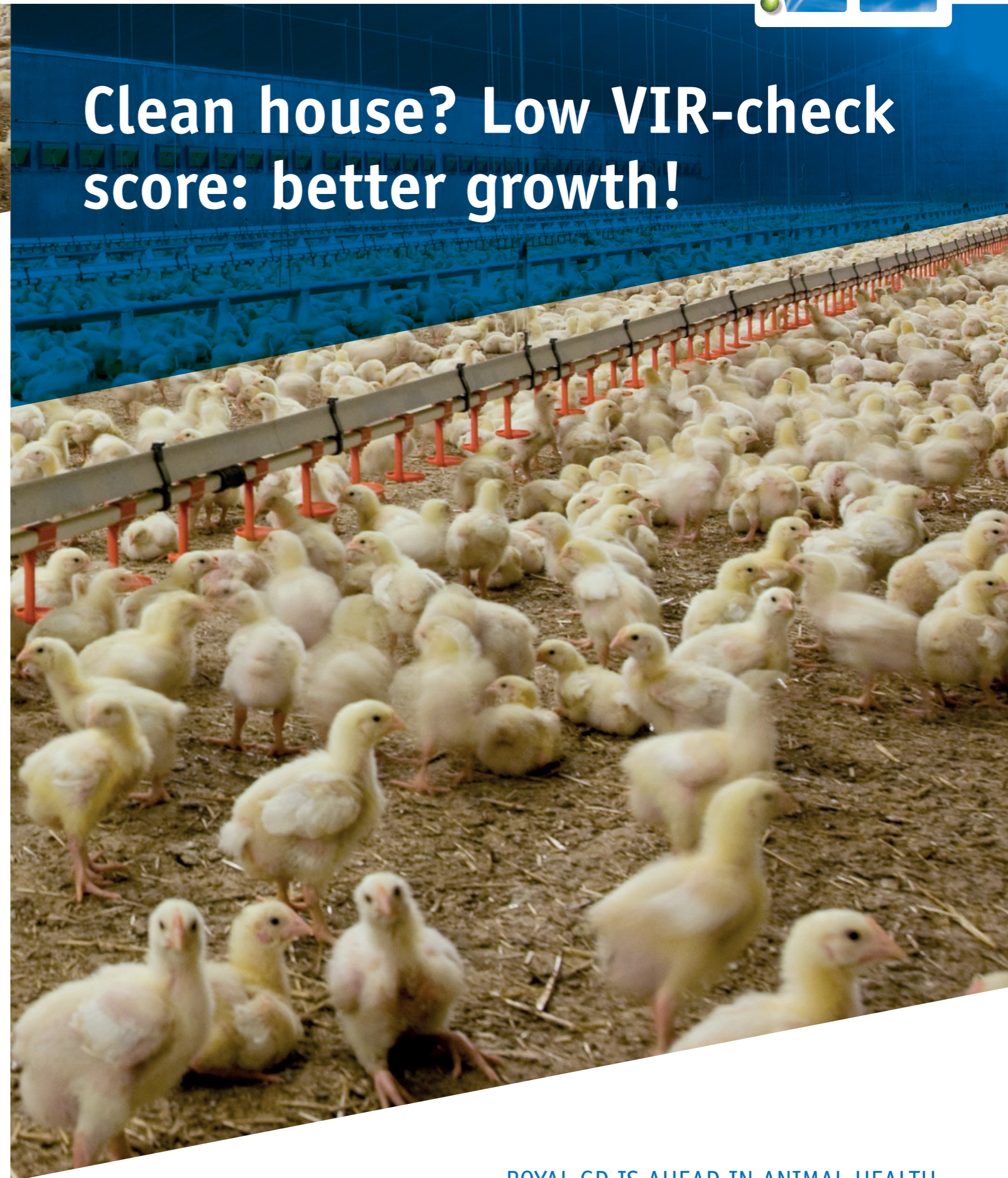




Clean house? Low VIR-check score: better growth!



Measure the virus pressure

By performing the VIR-check on ten chicks on day 6 or 7 you know how much contact the flock had with infectious virus in their first days of life. The VIR-check result is based on a multiplex quantitative PCR test for Rotavirus A and D, Chicken Astrovirus, Avian Nephritis Virus 3 and Reovirus. These are 5 frequent occurring and resistant intestinal pathogens. A low score indicates that the cleaning and disinfection against other pathogens has also been successful.

Easy sampling and clear results

With a simple and easy to apply test, cleaning and disinfection can be checked in a sophisticated way now in all broiler houses. To participate take ten cloacal swabs at age six to seven days and push the swabs on a FTA card, one spot per house. You will receive the results in a clear report with a brief explanation, the test results and a visual representation of the score.

More information

The price of the VIR-check is 97,50 euro per house excluding VAT. Administration costs are 11,20 euro per submission (which may include multiple houses). Results from the Netherlands show a positive trend: when VIR-check score is low, production results improve.

Are you interested in the VIR-check? Visit our website www.vir-check.com or send an e-mail to labservices@gdanimalhealth.com for more information about how to submit the samples to Royal GD.

TEST RESULTS:				
No	Identification	Test/Method	Results	Amount (log10 titre)
001		Chicken astrovirus	Detected	1,6
001		Avian nephritis virus-3	Detected	4,7
001		Reovirus	Not detected	
001		Rotavirus A	Not detected	
001		Rotavirus D	Not detected	

VIR-check-score	: 25		Kleur	Stand 1	Stand 2	Stand 3
Relative score	: Green		Groen	0 - <10	10 - <20	20 - <30
			Geel	30 - <40	40 - <50	50 - <60
			Oranje	60 - <70	70 - <80	80 - <90
		Rood	90 - <115	115 - <140	≥140	

Conclusion	: Green: the VIR-check score indicates that the cleaning and disinfection of the sampled house was thorough and successful.
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The best post-cleaning test for broiler houses:

- Low VIR-check score = better growth
- Easy protocol: swab 10 chicks on day 6 or 7
- Easy testing with FTA card
- Low VIR-check score suggests low salmonella and coccidiosis pressure

Who doesn't want a good start for their broiler flocks? It all begins with healthy chicks in a clean house. Pathogenic microorganisms are a continuous threat to the health of broilers as they can cause illness, immunosuppression and poor performance. With the VIR-check you can check whether broiler houses have a low viral load at the start of a new cycle and whether cleaning & disinfection was performed with the required result.

How clean is your house?

The number of cleaning and disinfection protocols is endless, the same for the used chemicals. A check of the efficacy is often missing, mainly because good tools are lacking. Visual inspection doesn't give information on the success of the disinfection. Bacterial sampling and ATP-testing provides more information about the disinfection result regarding bacteria, but representativeness is questionable as only a very small surface of the broiler house is sampled.

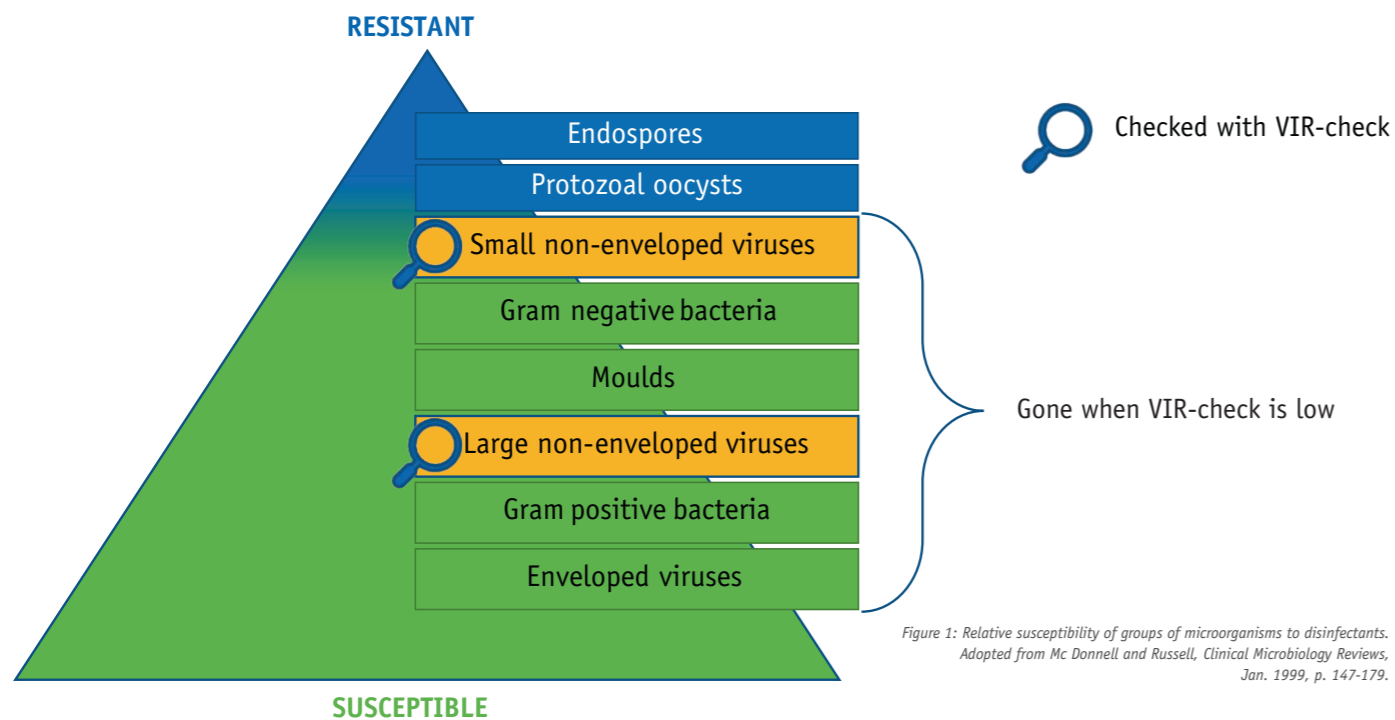
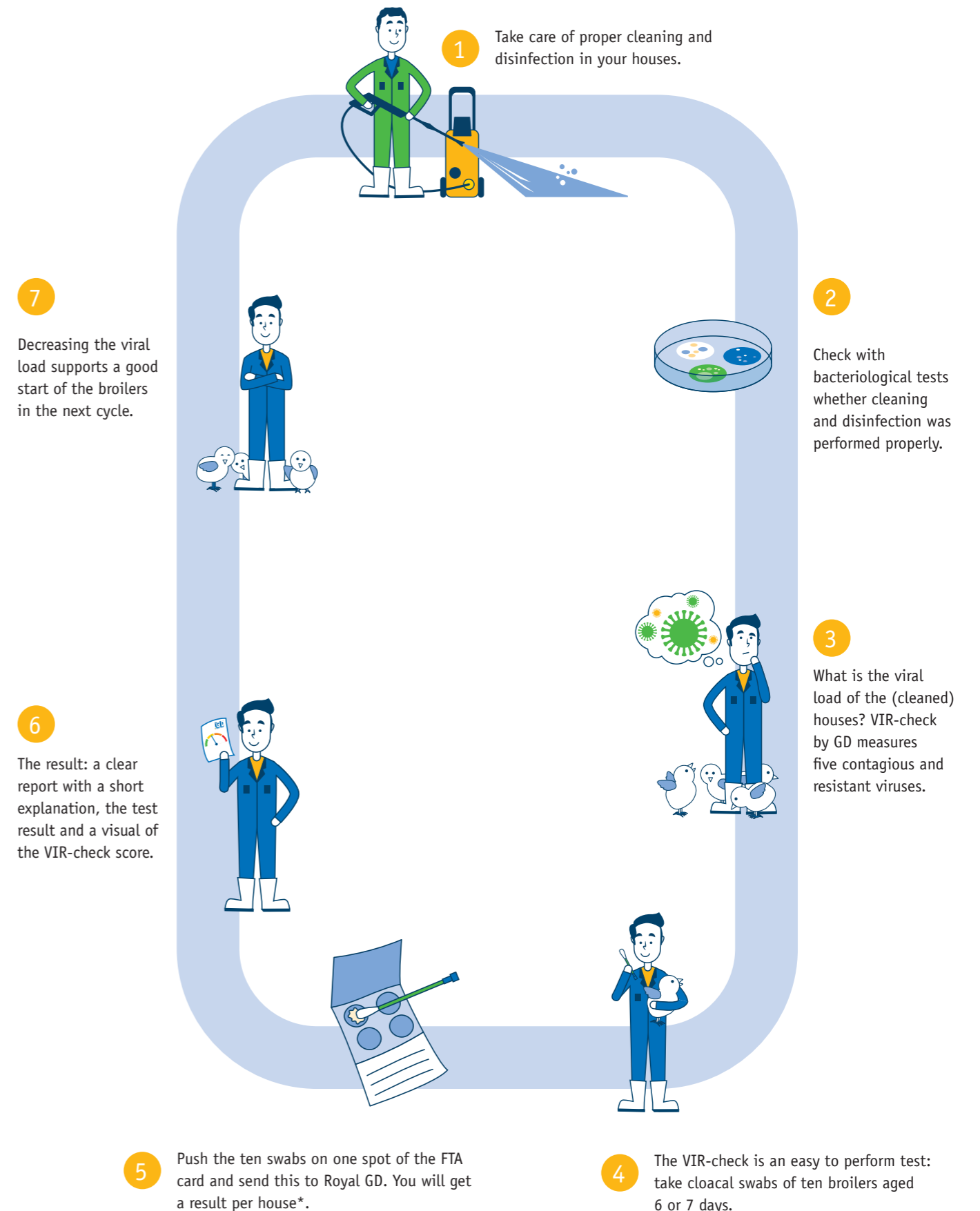


Figure 1: Relative susceptibility of groups of microorganisms to disinfectants. Adapted from Mc Donnell and Russell, *Clinical Microbiology Reviews*, Jan. 1999, p. 147-179.

How does the VIR-check work?



* Within EU also the swabs can be sent to GD.