

 UNIVERSIDAD DE CONCEPCIÓN 	RESULTADOS	Código: BMOL052 Revisión: 1
 LABORATORIO DE DIAGNÓSTICO PORCINO	PCR tiempo real Influenza	Fecha: 24-06-2019 Página 1 de 2

FICHA: 1013-19

Fecha ingreso laboratorio: 12-12-2019
Empresa: Innovaciones Jiménez SPA
Dirección: Los Coigues 13016. Santiago
Cantidad: 4
Numeración muestras: 2330-2333

Fecha salida: 18-12-2019
Contacto: Joaquín Jiménez
Tipo de muestra: Ambiental (Acuosa)
Muestras pools: 0
Examen solicitado: PCR real time Influenza

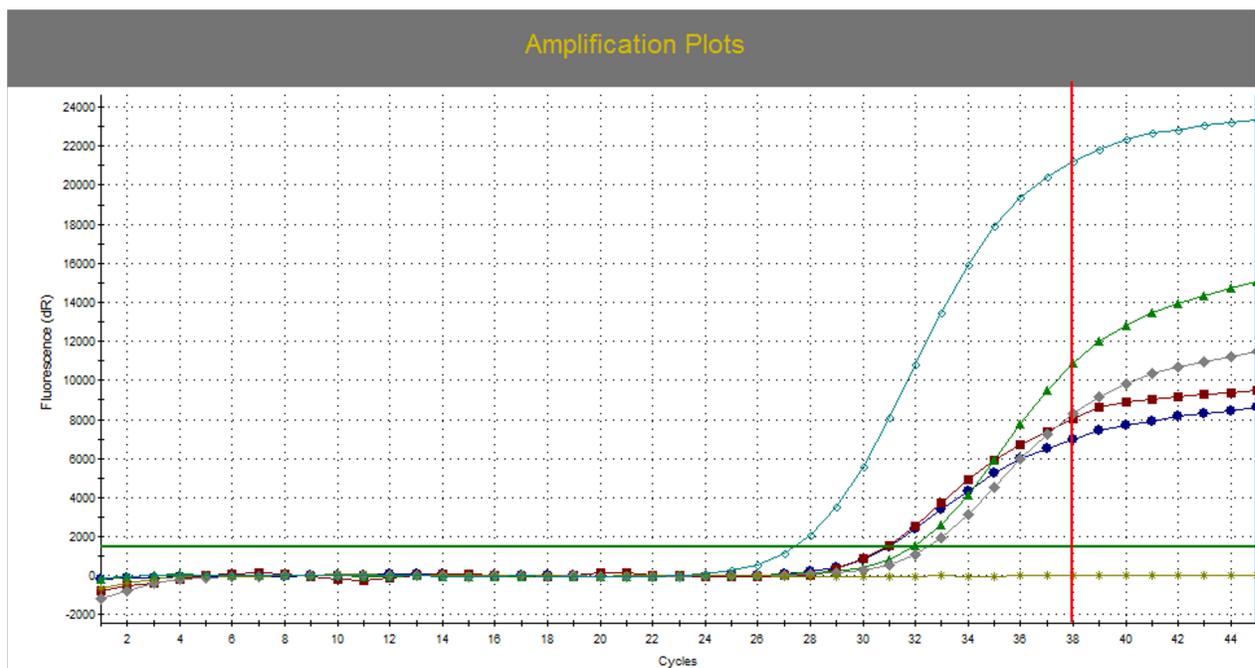
Resultados:

Nº laboratorio	Referencia	Ct	Interpretación
2330	M-1	30.95	Positivo
2331	M-2	30.90	Positivo
2332	M-3	31.91	Positivo
2333	M-4	32.51	Positivo

The following graph shows the amplification of the **Positive Control of the assay (light blue)**. The amplification of the problem samples (green, gray, red, and blue). Negative control, without amplification (yellow). Samples are considered positive when they have a Ct lower than 38.

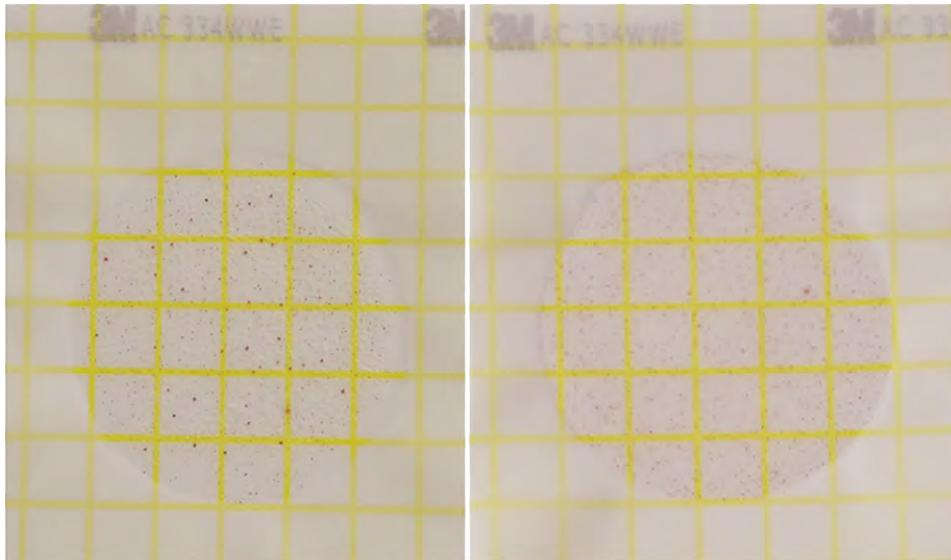
Note from contact:

A decrease in virus load comparing the **green line (which is the barn without FUV light)** and the **grey line which is the barn with Sterilray lights**. The other two lines represent the normal load of virus in two other barns made for breeding and not for maternity (so it was expected to have less virus) although these last barns that represents the opportunity to continue installing lamps in other barns of the process to lower virus load.



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Replicate	Dye	Well Type	Threshold (dR)	Ct (dR)
1	HEX	Unknown	1447.701	30.95
2	HEX	Unknown	1447.701	30.90
3	HEX	Unknown	1447.701	31.91
4	HEX	Unknown	1447.701	32.51
5	HEX	NTC	1447.701	No Ct
6	HEX	NPC	1447.701	27.43



On the left is a sample of a surface in a barn without the light and on the right a barn with the Excimer Wave Sterilray™ lights. We have been taking samples during last month and find an average of 100X times less aerobic microbials on the surface of the barn treated with the lights.

(analyzed using 3M petrifilms).


DR. ALVARO RUIZ G.
ENC. LAB. PORCINO