

()

«rc»

*

(// : // :)

Rhode	(r^c/r^c)	(R^+c/R^+c)	Island Red (RIR)
	rc		

(%SM)	(TSC)	(SC)	(L: D)	(SV)
	(SMA)			(%DS)
				(TC)
				()
(TW)	(BW)	(RSN)	(STL)	(%ES)
TSC SV				(CW)
%DS	(P< /)			%SM
		SC	(P< /)	

		SMA		
			TC	(P< /)
STD				
	%ES			STL %ES RS _N
		CW	TW	BW

rc

rc :

(RIR;r⁻)

(RIR;R⁺c/R⁺c)

c/r⁻c

Columbia

rc

British

(Retinal)

r⁻c/r⁻c

(RIR)

Cheng

R⁺ c/R⁺ c

()

Rhode Island Red

rc

(L: D)

GCAP

cGMP

(cG)

Vacutainer

CC

()

(C⁰)

()

Ruckebusch

cGMP cAMP

semen

Semen

(calmodulin)

()

(SV)

cGMP

(SC)

(%SM)

(%DS)

(TSC)

(SMA)

() (

Cryovac

rc

/

Tuberculin

(Cone)

(Rode)

BPSE

(

(Beltsville Poultry Semen Extender)

rc

()

()

RIR

(×)

()

Wilcox ()

BPSE

(/ml) :

Semen

()

Rhode Island Red(RIR)

(×)

rc

... (rc) :

(Dehydration) BPSE :

(H+E) (Embedding) Eosin-nigrosin (EN)
EN

(STD)

(RSN) ×)

(STL) (%ES) %DS (

() JMP semen BPSE : Semen
Formazan

p= Arc $\sqrt{p\%}$ sin () Chaudhuri and Wishart
(X)

rc RIR y = A
= / + / A
/ml
(SMA)
(R⁺c/R⁺c) = / X/ /
Semen .I
semen (BW)

(p < /)

() semen × ×

() (Fixation)
rc

φ

semen
 (.)
 cGMP *rc*
 (.)
rc
 (.)
 semen *rc*

(R ⁺ c/R ⁺ c)	(rc-/rc-)	*	/
/ ± / ^a	/ ± / ^b	cc /	
/ ± / ^a	/ ± / ^a	/ cc	(.)
/ ± / ^a	/ ± / ^b	/ /	
/ ± / ^a	/ ± / ^b	(%)	<i>rc</i>
/ ^a	/ ^b	(%)	
/ ^a	/ ^b	(%)	(.)
/ ± / ^a	/ ± / ^a		
/ ± / ^a	/ ± /	(n mol/min/10 ⁹ /ml)	

(±SE)^{ab}

(.)

(P< /)

cGMP

.II

STD

(P< /)

(STL)

(%ES)

(P< /)

semen

(P< /)

(RSN)

(P< /)

(.)

(μ)	(/)	(%)	()	/
/ ± / ^a	/ ± / ^a	± ^a	/ ± ^a	(R ⁺ c/R ⁺ c)
/ ± / ^a	/ ± / ^a	± ^b	/ ± ^a	(r̄c/r̄c)

(P< /)

(±SE)^{ab}

... (rc) :

/ng/ ml. () (r̄c/r̄c)

/ng/ ml. (Starling)

() ()

rc

RSN %ES STL STD
(R⁺c/R⁺c)

rc

(r̄c/r̄c)

Cerruti et. al., ()

()

() /

() ()

()

rc

RSN %ES STL STD

(r-c/r-c)	(R ⁺ c/R ⁺ c)	() /
/ ± / ^a	/ ± / ^a	
/ ± / ^a	/ ± / ^a	
/ ± / ^a	/ ± / ^a	

(±SE)^{ab}

(P< /)

rc

. III

R⁺c/R⁺c r̄c/r̄c
()

() ()	() /
/ ± / ^a / ± / ^a / ± / ^a (R ⁺ c/R ⁺ c)	
/ ± / ^a / ± / ^a / ± / ^a (r-c/r-c)	

(±SE)^{ab}

(P< /)

(R⁺c/R⁺c) **BW**

(r̄c/r̄c) **CW**

TW (p < 0 / 05)

CW BW

()

TW

British

()

Columbia

TW

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