

()

C

*

(// : // :)

(L) C

ppm C
()

ppm
ppm

ppm
(P< /)

()

C ppm (P< /)

PHA

C ppm CBH (P< /)

ppm

C

C

(P< /)

C

ppm

C

ppm

C :

C

C

ppm

C

()

C

C

)C

(

C

C

C

C

FAD +

NAD⁺

C

()

C

(Ross)

()

()

()

C

(ppm)

C

C

C

(C

)

C

BASF

% /

L

C

B

C

B

()

()

()

()

()

ppm

T

B

C

C

()

C

f

RPMI - 1640 (IBV)

%

ConA⁶ PHA⁵

ConA PHA

()

ELISA¹

MTT CO₂ (HI³)

CO₂

PBS %

HI

()

(log₂ 1/x)

()

(in vivo) () / ()

% / cc / PHA (EDTA %)

4. Thomson (Hemacytometer)
 5. Phytohemagglutinin (PHA)
 6. Concanavalin A (ConA)

1. Enzyme linked immuno sorbent assay
 2. Flockchek IDEXX
 3. Haemagglutination Inhibition

CBH¹

SAS ()

() C ppm

Arcsin \sqrt{X}

() (p< /)
C ()

C

C

ppm (P< /)

ppm

(P< /)

() C

()

C

C ppm

()

C

C

C

()

ppm C

* هر ۲/۵ کیلوگرم مکمل ویتامین دارای ۱۶۰۰۰۰۰ واحد بین‌المللی ویتامین A،
 ۲۰۰۰۰۰ واحد بین‌المللی ویتامین D₃، ۵۰۰ میلی‌گرم ویتامین k₃، ۱۸۰۰
 میلی‌گرم تیامین، ۳۶۰۰ میلی‌گرم ریوفلاوین، ۱۰۰۰۰۰ میلی‌گرم پانتوتنیک اسید،
 ۳۵۰۰۰ میلی‌گرم نیاسین، ۳۵۰۰ میلی‌گرم پیرویدوکسین، ۵۵۰ میلی‌گرم اسید
 فولیک، ۱۰ میلی‌گرم ویتامین B₁₂، ۱۵۰ میلی‌گرم بیوتین و ۱۳۰۰۰ گرم کولین
 کلرید است. مکمل معدنی نیز در هر ۲/۵ کیلوگرم دارای ۶۴ گرم منگنز، ۴۴ گرم
 روی، ۱۰۰ گرم آهن، ۱۰ گرم مس، ۳۷۰ میلی‌گرم ید و ۱۵۰ میلی‌گرم سلنیوم
 است.

() C ppm
(p< /)

1. Cutaneous basophil hypersensitivity (CBH)

C :

(ppm) C

								C (ppm)
/ a	/ a	/ ab	/ b	/	/	/ b	/ b	
/ C	/ b	/ b	/ b	/	/	/ ab	/ ab	
/ bC	/ ab	/ ab	/ ab	/	/	/ a	/ a	
/ ab	/ ab	/ b	/ b	/	/	/ a	/ a	
/ C	/ ab	/ a	/ a	/	/	/ a	/ a	
/	/	/	/	/	/	/	/	
(p< /)								

C ()

C

D₃

C

()

C

()

C

()

C

:

C

C

C

ppm

()

()

C

C

ppm

(p< /)

()

ppm

C

ppm

(p< /)

C

()

ppm	() C	(ppm) C	()	
	PHA			
	Con.A			(ppm) C
C	ppm	(p< /)	/ a / d / a	
			/ b / b / a	
()	(p< /)		/ ab / Cd / b	
			/ b / a / b	
			/ a / bC / b	
		()	/ / / /	
	C	(p< /)		
		()		
in	()	T		
		()		C
	ppm	vitro		
		(p< /)	C	
T		C		()
	B T	C	C	
()	()			ppm
			()	C
				RNA
		DNA	()	
	PHA			
T	B	T		
	Con.A			C
				C
()				()
			C	ppm

C :

in vitro (ppm) C
 concanavalin A(ConA) phytohemagglutinin(PHA)

PHA	ConA	ConA	PHA	PHA	ConA	ConA	PHA	C (ppm)
/ bC	/ bC	/ b	/ C	/ b	/ bC	/ b	/ C	/ d
/ b	/ ab	/ b	/ b	/ b	/ a	/ b	/ b	/ b
/ C	/ C	/ b	/ C	/ b	/ C	/ b	/ C	/ C
/ a	/ ab	/ b	/ C	/ C	/ C	/ a	/ C	/ b
/ bC	/ a	/ a	/ a	/ a	/ bC	/ a	/ a	/ a
/	/	/	/	/	/	/	/	/

(P < /)

() =

C

:(CBH)

C

C

()

(p < /)

C

ppm

CBH

CBH

ppm

ppm

(p < /)

C

.()

(ppm) C

(Cutaneous Basophyl

hypersensitivity)

CBH	C
/ b	
/ b	
/ b	
/ a	
/ a	
/	

(p < /)

.()

C

()

CBH

ACTH

ACTH

C

CBH

.()

C ppm CBH (p < /)
 C ppm () C
 C () : C
 (ppm) C ppm (p < /)
 (log₁₀) (log) C ppm

/ c	c	/ b	/	
/ c	c	/ b	/	
/ a	/ b	/ a	/	
/ b	/ a	/ a	/	
/ a	/ a	/ a	/	
/	/	/	/	

 C ppm () B
 (p < /) C ppm
 C (p < /) C
 () ppm () C

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