

()

C

*

(// : // :)

(L) C

ppm C
()

ppm
ppm

ppm
(P< /)

()
ppm (P< /)

C

PHA

C ppm

CBH (P< /)

ppm

C

C

(P< /)

C ppm

C

ppm

C :

C

C

ppm

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

RPMI - 1640 (IBV)

ConA⁶ PHA⁵

ConA PHA

ELISA¹

MTT CO₂ (HI⁺)

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)

ppm (p < /) (ppm) C
 () C
 PHA
 Con.A
 C ppm
 (p < /)
 () (p < /)
 C ()
 (p < /)
 ()
 in () T
 () ppm vitro C
 T C (p < /) C
 () B T C C
 () () ppm
 () C
 RNA
 DNA
 ()
 PHA
 B T
 T Con.A
 C
 C
 () ()
 C ppm

/ a	/ d	/	/ a
/ b	/ b	/	/ a
/ ab	/ Cd	/	/ b
/ b	/ a	/	/ b
/ a	/ bC	/	/ b
/	/	/	/

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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
 ppm
 (p < /) C
 (ppm) C
 (Cutaneous Basophyl
 hypersensitivity)

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

(p < /)

ACTH

C

CBH

()

CBH (p < /)
 ppm C
 C ppm ()
 C
 ()
 C : C
 C ppm
 (ppm) C ppm (p < /)
 (log₁₀) C
 (log)
 C ppm
 C ppm
 / c c / b /
 / c c / b /
 / a / b / a /
 / b / a / a /
 / a / a / a /
 / / / /
 (p < /) C ppm
 C
 (p < /) C
 ()
 ppm ()
 C

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