

()

(in situ)

/ /

(gas test)

(nylon bag)

()

% :)

(% / : % / : % : % : % :

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Y = 35.724 :

+ 0.714 x

/

/

(in sacco)

) :
(
: % : % : % :)
(% / : % / : %) . ()

: AOAC

(Kjeltac analyze 1030)

(Soxtec Sys HT.1042)

Carbalite furnaces system RHF 17.10) . ()

Atomic) (E

(absorption spectrophotometry 902

(spectrophotometry coleman junior)

WTB)

. () (Binder -

)

: (± ± . ())

(in vivo) ()

(in sacco)

... (in situ) :

.() .

KHPO_4 / Na_2HPO_4 / :
 $\text{MgSO}_4 \times 7\text{H}_2\text{O}$ /

MnCl_2 $\text{CaCl}_2 \times 2\text{H}_2\text{O}$:
 $\text{FeCl}_2 \times$ / $\text{CoCl}_2 \times 6\text{H}_2\text{O}$ ، $\times 4\text{H}_2\text{O}$
 $6\text{H}_2\text{O}$.()

$(\text{NH}_4) \text{HCO}_3$ NaHCO_3 :

: .()

NaOH : ()

/ $\text{Na}_2\text{S} \times 7\text{H}_2\text{O}$

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CO_2

$\pm /$

$\times \times$

/

. CO_2

(V₀)
)

(V₆) (V₄) (V₂) ± /
(V₂₄) (V₁₂) (V₈)
(V₉₆) (V₇₂) (V₄₈) ()

Neway

Excel Neway

1

c , b , a

:

$$V_c(\text{ml}/200 \text{ mg DM}) = 212 * (V_t - V_b) / W (\text{gr})$$

SAS

$$V_c(\text{ml}/200 \text{ mgDM}) = 200 * (V_t - V_b) / W (\text{gr}) * 0.94$$

$$\begin{aligned} &= V_t () / t = W \\ &= V_b \\ &= V_c \end{aligned}$$

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...

(in situ)

:

$P(K = 0.05)$	$P(K = 0.02)$	L	RSD	c	$a + b$	b	a
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$P(K = 0.05)$	$P(K = 0.02)$	L	RSD	c	$a + b$	b	a
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/	/	/	/

(X)	(Y)
$Y = 48.351 + 0.448 x$	0.93
$Y = 58.329 + 0.419 x$	0.98
$Y = 45.370 + 0.211 x$	0.84
$Y = 45.201 + 0.240 x$	0.94

(X)	(Y)
$Y = 31.158 + 0.381 x$	0.98
$Y = 65.544 + 0.327 x$	0.95
$Y = 40.451 + 0.337 x$	0.80
$Y = 43.912 + 0.282 x$	0.97

(X)	(Y)
$Y = 35.724 + 0.714 x$	0.99
$Y = 47.136 + 0.854 x$	0.94
$Y = 2.065 + 1.045 x$	0.92
$Y = 6.767 + 1.006 x$	0.98

(X)	(Y)
$Y = 12.323 + 0.870 x$	0.98
$Y = 9.156 + 1.231 x$	0.98
$Y = 3.706 + 0.586 x$	0.95
$Y = 3.961 + 0.694 x$	0.96

(X)	(Y)
$Y = 31.218 + 0.615 x$	0.98
$Y = 60.653 + 0.247 x$	0.98
$Y = 10.678 + 0.780 x$	0.99
$Y = 11.147 + 0.826 x$	0.99

Hohenheimer
 $P = a + b(1 - e^{-ct})$
r

r

CO₂

... (in situ) :

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t+1)

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t

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VFA

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CH₄ CO₂

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CO₂

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VFA

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(,)

(Lag phase)

()

REFERENCES

in

in vitro in vivo situ

in vitro in vivo

in situ

(in vitro)

(in vivo)

(in vitro in situ)

(in situ)

in vitroin sacco

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