

Cryptosporidium

(2004/10/23 2004/5/3)

180

%26.66

.%5.55

%7.77

%13.33

Prevalence of *Cryptosporidium* in Sheep in Different Localities of Ninevah Province, Iraq

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ABSTRACT

The examination of fecal samples of 180 sheep, by using modified Ziehl-Neelsen stain, sugar solution and Lugol's iodine, revealed 26.66% of the infection with *Cryptosporidium*. Modified Ziehl-Neelsen stain proved to be more efficient revealing (13.33%) followed by sugar solution (7.77%,) then iodine stain (5.55%). The highest percent of infection was observed among sheep of younger ages.

Cryptosporidiosis

.Eucoccidiida

Cryptosporidium

Current and Garcia, 1991; Anderson and Bulgin,)

.(1981

Shaltout, 2000; Fleta-Zaragoza et al., 1994; Current,)

Oocyst

.(1985

10C°

12

(Arafa et al., 1997)

8

5C°

(Fayer et al., 1998)

.(Graczyke et al., 1999)

C.parvum

.(Upton and Current, 1985)

.(Tzipori and Griffiths, 1998)

39-40C°

C.parvum

.(Sadiek and Hussein, 1999)

(2000)

(2004)

(2001)

:

:

180

2003

2001

%2.5

			:	:	
			:		-1
	:	(Baron et al., 1994) Modified Ziehl-Neelsen stain			-2
	4	,Carbol-Fuchsin () A			-
100	%95	³ 25 , -Fluka /			³
			:() B		-
	. ° 56	/ -E.Merc /			10
		A B	³		8
		:Decolorizer			
		³ 7 HCL	³		3
		:Counter-stain			
	³ 100 /	-BDH /			0.3
2500	%10				-1
				10 /	
					-2
		10 60C°			-3
		5-3			-4
					-5
					-6
					-7
					-8
					-9

Sugar Flotation method

-3

:(Anderson and Bulgin, 1981)

3 355 454

3 6.7

%85 3 15 -1

/ 1000

10 3 9 10 -2

3 1 -2

10 / 2500 -3

-4

:(Ma and Soave, 1983) Lugol's iodine stain

-3

%0.85

(1984) 0.05

180

(1)

%26.66

%20

%40

:1

%30	6	20	
%30	6	20	
%40	8	20	
%25	5	20	
%20	4	20	
%30	6	20	
%25	5	20	
%20	4	20	
%20	4	20	
26.66	48	180	

%13.33

.(2) %5.55

%7.77

:2

1	2	3	20	
1	2	3	20	
2	3	3	20	
1	1	3	20	
1	1	2	20	
1	2	3	20	
1	1	3	20	
1	1	2	20	
1	1	2	20	
10	14	24	180	
%5.55	%7.77	%13.33		

(3)

%8.88

4

%5

:3

%30	%0	0	%5	1	%10	2	%15	3	20	
%30	%0	0	%5	1	%10	2	%10	2	20	
%40	%5	1	%10	2	%5	1	%20	4	20	
%25	%5	1	%5	1	%5	1	%10	2	20	
%20	%5	1	%10	2	%0	0	%5	1	20	
%30	%5	1	%5	1	%10	2	%10	2	20	
%25	%5	1	%5	1	%5	1	%10	2	20	
%20	%5	1	%5	1	%5	1	%5	1	20	
%20	%5	1	%5	1	%5	1	%5	1	20	
%26.6	%3.3	6	%6.1	11	%6.1	11	%10.5	19	180	

%26.66

Yvone et al. (1985)

El-Wahed (1999)

Fatimah et al. (1995)

%36.4 %30,%36 , %38.3 :

(2000)

.%25

Giallettil et al.(1986)

(%50)

(2004)

%18.03 (2001)

.(Fayer et al., 1998)

(Mtambo et al., 1996)

.(Graczyke, 1999)

(2002)

Valenzuela et al.(1991)

.%14.7,%7.7,

(1)

%7.77

;Entrala et al., 1995)

(2004

2002 ,

%13.33

;2001 ,

.%5.55

;Youssef et al., 1998

.(2004)

.(3)

,(0.05)

Balicka-Ramisz (1999)

Eimeria

(2002)

(2001)

. Tzipori (1988)

()

.(2002 , ,)

.Zoonosis

<i>Cryptosporidium</i>	.2002
<i>Cryptosporidium</i>	.2004
Cryptosporidiosis	.2001
	.2000
	.1984

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