Listeria

## Pistacia vera

monocytogenes

/ / /

## **ABSTRACT**

Listeria monocytogenes was isolated from 50 samples of minced red meat, which was collected randomly from Mosul city then it was diagnosed using selective media and biochemical test, the inhibitory ackivity of extracts of seeds of pistacia vera which was protein. oil and steroid test of this extracts was done on Listeria monocytogenes and compared with bacterial standard antibioties. The Proteinous extract of Pistacia vera showed a high inhibitory effect on Listeria monocytogenes compared with oil and steroids extracts.

Eleotrophorosis was used in order to separate the Protein of Porteinous extracts, the molecular weight of these Proteins were determined. (20), (48), (54), (63), (130). Killodaltone, respectivly.

50 Listeria monocytogenes

Listeria monocytogenes

(130) (63) (54) (48) (20)

Pistacia vera

Pistachio

Pistaciaceae

.(1)

(2)

.(3)

(5) Giner (4) Villar

(6)

(8 7)

Flavonoids

(10) Parvadeh

(9) Tannins

CC14

-:

Listeria monocytogenes

acriflavin (11)

homogenizer 10mg/L

Listeria enrichment broth 1 (45-40)

(LEB1) 1 24 30C° (LEB1)

Listeria enrichment broth 11 10

& &

48 37C° Listeria monocytogenes bloolyagar **CAMP** .(13,12) **Extraction** Pistacia vera 150 20 blender 3000 rpm Coolling centrifuge .(14) dialysis Lypholyzer bleander 25 250 soxlet .(15) . Diethyl ether 4 10 (%5) 250 45 ( ) ) .(16)

(1) 5 %20 5 / 200 (17)(0.22)Listeria monocytogenes (Kirby – Baurr Disk method) (0.5, 1.25, 3.1, 6.5, 12.5, 25, 50, 100, 200)(0.1)/ (10)(McFarland No.1) (5) (24 - 8)37C° Gentamycin, Pencillin, Trimetheprim sulfamethox azol(18) Vandepille **SDS** (Sodium Dodecyle Sulphate Poly Acrylamide Gel Electrophorosis (SDS- PAGE) (Oxiod) Bisacrylamide Acrylamide (30)(0.8)( (100)(100)(48)7MHC1 Tris (6) ( .(6.8)(100)(48)(36.6)**IMHCI** Tris ( (8.8)

& &

.%			(1	00)	SDS	(10)	(
	(100)	Ammo	•	•			-
	( /				.0.06		•
. N. I	N. N. N., T	Γetram	ethyl e	ethele		mine (TEM	ED) (
SDS (1	10) glyc	in	(144	4)	Tris	(30.3)	(
	.(8.	3)				(10	000)
4°C							
(7.5)	%7.	5	sep	aratii	ng gel		(30)
(0.015)	(1	6.93)	(5)			(1.5)	(1)
						(6)	
( ) / (	) (	)					(50)
2- ()	( )			%		(SDS)	
	( )					mercap	otoethano
			(	)		%	
		.(	) %			Bromtophe	enol Blue
						(25)	
Quickfit			(10:1	)		(7)	
	Englar	nd instr	ument	tation	n vertic	al diselectro	ophoresis
%20							/
	/	( )				(20)	(TCA)
Coomasie Br	rilliant blu	e					
							( )
. Cecil 102	21 CE	Ult	ravial	et an	d visibl	e spectroph	otometer

Listeria monocytogenes blood agar

Listeria monocytogenos

cAMP

.

## Listeria monocytogenos

Listeria monocytogenos

 $Gentamycin,\ Penicillin,\ Trimetheprim\ -\ sulfamethox azol$ 

(100)

. / (200)

:

(1 - 1)

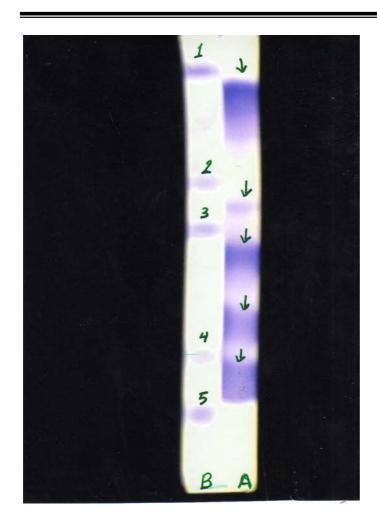
.

.(Oxoid)

. :(1 – 1)

( )			
0.8	5.14	140	
3.4	4.82	67	
4.3	4.76	58	
5.1	4.65	45	
9.1	4.09	12.5	С

& &



- (1-1)
  - .A
  - .B
- :
- .1
- .2
- .3
- .4
- C .5

(130) (63) (54) (48) (20)

Listeria monocytogenoes

Listeria monocytogenos

Listeria monocytogenos

( )

(22)

Tannins (23)

Taghi .

(24) Mansouri Tannins, Flavonoids, saponins

(25) Dou)

(130 - 20)

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