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(*Artemisia herbaalba*) Santonica

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٦,٥٥	١١,٤٥	
<i>Pseudomonas</i>	<i>Staphylococcus aureus</i>	<i>Bacillus cereus aeruginosa</i>

١٢ و ١١,٧٦ و ١٢ و ١٢ و ١١		
<i>Staphylococcus aureus</i>	<i>Bacillus cereus</i>	<i>Pseudomonas aeruginosa</i>
	<i>Salmonella typhimurium</i>	<i>Staphylococcus aureus</i>
<i>E. coli</i>		<i>Escherichia. coli</i>
		<i>Staphylococcus aureus</i>

(Buchanan)

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Duke

Abu-Harfeil)

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Santonica

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Artemisia herbaalba

Compositae

Small Aromatic plants

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Gow Pin

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(Watman No.)

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Watman)

(No.

Harboren)

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Staphylococcus /

E. coli *Bacillus cereus* *Pseudomonas aeruginosa* *aureus*

- *Salmonella typhimurium* *Staphylococcus aureus*

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Filter Paper Disc Diffusion

Falico)

(

(Phytochemical)

Pseudomonas aeruginosa

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Staphylococcus aureus

Bacillus cereus

Staphylococcus aureus

Pseudomonas aeruginosa

Bacillus

.cereus

E.

.Salmonella typhimurium

Staphylococcus aureus

coli

Santhonin

(

) Thugone

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(Gls) Glucosinolates

Pseudomonas aeruginosa

.(Kenneth)

	*	()
,	,	<i>Staphylococcus aureus</i>
,		<i>Pseudomonas aeruginosa</i>
,	,	<i>Bacillus cereus</i>
,	-	<i>E. coli</i>
,	-	<i>Staphylococcus aureus</i>
,	-	<i>Salmonella typhimurium</i>

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Staphylococcus aureus

Staphylococcus aureus , *Pseudomonas aeruginosa*
Salmonella typhimurium , *Bacillus cereus*
E. coli
Pseudomonas aeruginosa

Outer membranes
 .(Kennth) Biofilm

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*		
,		<i>Staphylococcus aureus</i>
,		<i>Pseudomonas aeruginosa</i>
,		<i>Bacillus cereus</i>
,	-	<i>E. coli</i>
,	,	<i>Staphylococcus aureus</i>
,		<i>Salmonella typhimurium</i>

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Bacillus cereus , *Pseudomonas aeruginosa*
Staphylococcus aureus

Staphylococcus aureus , *E. coli*
E. coli

Thugon
 Misin Santonin Absinthin
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	*	()
	-	<i>Staphylococcus aureus</i>
	-	<i>Pseudomonas aeruginosa</i>
	-	<i>Bacillus cereus</i>
	,	<i>E. coli</i>
	,	<i>Staphylococcus aureus</i>
	-	<i>Salmonella typhimurium</i>

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(Eluting power)

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	*	()
	-	<i>Staphylococcus aureus</i>
	-	<i>Pseudomonas aeruginosa</i>
	-	<i>Bacillus cereus</i>
	-	<i>E. coli</i>
	-	<i>Staphylococcus aureus</i>
	-	<i>Salmonella typhimurium</i>

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EFFECT OF EXTRACCTION PROCEDURE ON THE INHIBITION OF SANTONICA PLANT AGAINST SPECTRUM OF ISOLATED BACTERIA .

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ABSTRACT

The study showed that the Santonica (*Artemisia herbaalba*) plant had considerable inhabitation activity against some of positive gram and negative isolated bacteria. Ethyl acetate, Ethanol ٨٠٪ and Hexan as well as the distal water were used as solvents to the active materials in this plant. The aim of this study was identify the ability of these solvents to extract the active materials in this plant which had effect the inhabitation ability against these bacteria by using the disc division procedure. The study showed that the extraction procedure followed had clear effect on inhabitation ability of Santonica against these bacteria. In time that the supported paper disc with the alcohol extraction from plant to compose a clear zone of diameter ١١. ٤٥ and ٧ and ٦,٥٥ mm. When positioned in plates were seeded by white *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Bacillus cereus* respectively. While this disc failed in occurring any inhabitation for the same bacteria when it saturated by aqueous extraction for the same plant. Also the study has showed that the ethyl acetate extract for Santonica succeeded in occurring clear inhabitation against the tested bacteria, the clear zone diameter which supported by ethyl acetate was ١١, ١٢, ١٢, ١١,٧٦ and ١٢ mm. When positioned in plates were seeded with white *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Bacillus cereus*, golden *Staphylococcus aureus* and *Salmonella typhimurium* respectively, while the *E. coli* has showed ability to resist this extraction. The hexane extractions of the same plant didn't show any clear effect against the tested bacteria, except for *E. coli* and golden *Staphylococcus aureus*.

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