‘—”•ƒŽ ‘^ ‡•‡ƒ”…Š ‹• ‡†‹…ƒŽ ƒ•† ‡•–ƒŽ …‹‡•…‡
trtsá‘Ž—•‡ {á ••—‡ zá ƒ‰‡ ‘ã ustæusy
‘’›”‹‰Š– æ vär
˜ƒ‹Žƒ„Ž‡ •Ž‹•‡ ƒ–ã ™™™äŒ”•†•ä‹•
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•’”‘˜‡† •–‹•‹…”‘„ÐƒŽ…‹‡•…“›—‡‘—• ”—†‡ Š–ƒ…–• ‘^ ”‡‡• ‡ƒ ƒ‰ƒ‹••– ”ƒŽ ‹…”‘„‹

ƒŽ‘•› ‘•‹…ƒ ˢá›ƒ‡Ž ‹•ƒ› Šá•ƒ••‘• ‘Šƒ••‡† ƒˢá‘—ŠŽ‡‡ŽƒŠ‡”œƒ† ˢƒ†ƒ†

ʷ‡’ƒ”–•‡•– ‘^ Šƒ”•ƒ…›á ‘•ƒ” •‹˜‡”•‹–› ‘^ …‹‡•…‡ ƒ•† ‡…Š•‘Ž‘‰›á ‡‰‹‘•á ”ƒ“

ˣ‡’ƒ”–•‡•– ‘^ ‡†‹…ƒŽ ƒ„‘”ƒ–”› …‹‡•…‡á ‘•ƒ” •‹˜‡”•‹–› ‘^ …‹‡•…‡ ƒ—”†‹•–ƒ• ‡‰‹‘•á ”ƒ“

••‘•– ‘^ –Š‡ ’Žƒ•–• Šƒ˜‡ „‹‘Ž‘‰‹…ƒŽŽ› ƒ…–‹˜‡ …‘••–‹––‡•–•á ‘—” ’”‡•‡•– •–– ƒ“—‡‘—• …”—†‡ ‡š–”ƒ…–• ‘^ ‰”‡‡• –‡ƒ ƒ•† „Žƒ…• –‡ƒ —•†‡” ƒ‡”‘„‹… ƒ•† ƒ•ƒ‡”–‡…Š•‹“—‡á •ƒ…‡”ƒ–‹•• •‡–Š‘† „› —•‹••‰ „‘–Š Š‘– ™ƒ–‡” ƒ•† …‘Ž† ™ƒ–‡” ƒ•† ƒ…‘••‹••–‡•…› •ƒ•• ™Š‹…Š ƒ”‡ –Š‡• ƒ•” †”‹‡† –‘ ‰‡– –Š‡ ‘‘™†‡”› •ƒ••ä Š—•á …‘•–ƒ‹••‡• ƒ•† ƒ”‡ •ƒ†‡ ‹••–‘ •‘Ž——‹‘•• ‘^ †‡•‹”‡† …‘•…‡•–”ƒ–‹•• ‘^ x{á {vá ƒ•–‹•‹…”‘„‹ƒŽ ƒ…–‹˜‹–‹‡• ƒ‰ƒ‹••– ‘”ƒŽ •‹…”‘„‡• —•†‡” „‘–Š ƒ‡”‘„‹… ƒ•† ƒ•ƒ‡”‘„‹… ƒ•–‹•‹…”‘„‹ƒŽ ƒ…–‹˜‹–› ƒ‰ƒ‹••– „‘–Š ƒ‡”‘„‹… ƒ•† ƒ•ƒ‡”‘„‹… ‘”ƒŽ •‹…”‘„‡•ä Š‡ ƒ ‘^ ‹•Š‹„‹–‹•• •Š‘™• „› –Š‡ ‡š–”ƒ…– †‹Ž——‹‘•• ™Š‹…Š ‹• …‘•’ƒ”‡† –‘ –Š‡ œ‘•‡• ‘ —•‡† ‹• ‘”ƒŽ …ƒ˜‹–› Ž‹•‡ –‡–”ƒ…›…Ž‹•‡á ‰‡•–ƒ•‹…‹•• ƒ•† ƒ•š‹…ŽŽ‹•‡ä Š‡ …‘Ž•‰•‹Ô‹…ƒ•–‹•• ƒ•† ƒ•š‹…ŽŽ‹•‡ä Š‡ ‹•‹…ƒ•–‹•• ƒ•† ƒ•š‹…ŽŽ‹•‡ä Š‡ ƒ…–‹˜‹–› ƒ‰ƒ‹••– ‘”ƒŽ •‹…”‘„‡• ‹•‹˜‡”•‹–› ƒ‰ƒ‹••– ‘”ƒŽ •‹…”‘„‡• ‹•‹˜‡”•‹–› ƒ‰ƒ‹••– ‘”ƒŽ •‹…”‘„‡•á ‰‡•–ƒ•‹…‹•• ƒ•† ƒ•š‹…ŽŽ‹•‡ä Š‡ ƒ…–‹˜

Table 1: Petriplates with different extract dilutions.

Petriplate No.	Extract concentrations 25, 50, 75 and 100 mg/ml	Tea variant	Incubation conditions at 37°C
1	Hot water extract	Green tea	Aerobic
2	Cold water extract		
3	Hot water extract	Black tea	
4	Cold water extract		
5	Hot water extract	Green tea	Anaerobic
6	Cold water extract		
7	Hot water extract	Black tea	
8	Cold water extract		

[illegible]

[illegible] concentrations in the ratio of 1:1 of hot water extracts [illegible]

Table 2: Petriplates with extract dilution combinations.

Petriplate No.	Green tea: Black tea 1:1 25, 50, 75 and 100 mg/ml	Incubation conditions at 37°C
9	Hot water extract	Aerobic
10	Cold water extract	
11	Hot water extract	Anaerobic
12	Cold water extract	

[illegible]

aerobic and anaerobic incubation conditions showing the green tea crude extract (hot water) has significant effect [illegible]

Table 3: Antimicrobial activity of aqueous (hot water) crude extract of green tea under aerobic and anaerobic incubation conditions.

S.No	Green tea aqueous extract concentrations (mg/ml)	Zone of inhibition (mm)	
		Hot water	
		Aerobic	Anaerobic
1	25	25	22
2	50	20	22
3	75	27	21
4	100	27	28

[illegible] given in the Table 4. The cold water crude extract of [illegible]

Table 4: Antimicrobial activity of aqueous (cold water) crude extract of green tea under aerobic and anaerobic incubation conditions.

[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	[illegible]
s	tw	tt	tx
t	wr	tw	tx
u	yw	tx	tu
v	srr	t{äw	tt

[illegible] concentrations of 25, 50, 75 and 100 mg/mL has shown [illegible]

Table 5: Antimicrobial activity of aqueous (hot water) crude extract of black tea under aerobic and anaerobic incubation conditions.

[illegible]	[illegible]	[illegible]	
[illegible]		[illegible]	
[illegible]		[illegible]	[illegible]
s	tw	sv	ts
t	wr	su	ts
u	yw	sy	tu
v	srr	tr	tt

[illegible] conditions. The zones of inhibition of cold water crude extracts of black tea are given in the Table 6. [illegible]

Table 6: Antimicrobial activity of aqueous (cold water) crude extract of black tea under aerobic and anaerobic incubation conditions.

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
s	tw	sy	tr
t	wr	tt	tt
u	yw	ts	tt
v	srr	tu	ts

[illegible] when the aqueous crude extracts of green tea and black [illegible]

Table 7: Synergistic antimicrobial activity of aqueous crude extracts of green tea and black tea in the ratio 1:1.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
s	tw	tv	tt	tu	tw
t	wr	tv	tw	tt	tx
u	yw	tx	us	tv	tu
v	srr	ty	t{	tr	tw

[illegible] assess the antimicrobial activity. [illegible] antibiotic discs of standard concentration are used to

Table 8: Antimicrobial activity of commercial antibiotics against oral microbes under aerobic and anaerobic conditions.

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	ur	y	x
[illegible]	tr	{	ss
[illegible]	sr	x	u

[illegible]