

In vitro evaluation of antimicrobial effect of phytobiotics mixture on *Salmonella* spp. isolated from chicken broiler.

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Table S1. A summary of the results of biochemical reactions for the strain of *Salmonella* isolated from different samples.

REACTIONS/ENZYMES	VITEK2 <i>Salmonella enterica</i> ssp. <i>enterica</i> <i>Salmonella</i> <i>Typhimurium</i> 1/2/3/4	VITEK2 <i>Salmonella enterica</i> ssp. <i>enterica</i> <i>Salmonella</i> <i>Kentucky</i> 1/2	VITEK2 <i>Salmonella enterica</i> ssp. <i>enterica</i> <i>Salmonella</i> <i>Enteritidis</i> 1/2/3/4/5/6
APPA	-/-/-/-	-/-	-/-/-/-/-
ADO	-/-/-/-	-/-	-/-/-/-/-
PyrA	+/-/-/-	-/-	-/-/-/-/+/-
IARL	-/-/-/-	-/-	-/-/-/-/-

dCEL	-/-/-/-	-/-	-/-/-/-/-
BGAL	+/-/-/-	+/+	-/-/-/-/+
H2S	+/+/+/+	+/+	+/+/+/+/+
BNAG	-/-/-/-	-/-	-/-/-/-/-
AGLTp	-/-/-/-	-/-	-/-/-/-/-
dGLU	+/+/+/+	+/+	+/+/+/+/+
GGT	+/+/-/-	-/-	+/+/-/-/+
OFF	+/+/+/+	+/+	+/+/+/+/+
BGLU	-/-/-/-	-/-	-/-/-/-/-
dMAL	+/+/+/+	+/+	+/+/+/+/+
dMAN	+/+/+/+	+/+	+/+/+/+/+
dMNE	+/+/+/+	+/+	+/+/+/+/+
BXYL	-/-/-/-	-/-	-/-/-/-/-
BAlap	-/-/-/-	-/-	-/-/-/-/-
ProA	+/-/-/-	-/-	+/-/-/-/-
LIP	-/-/-/-	-/-	-/-/-/-/-
PLE	-/+/-/-	-/-	-/-/-/-/-
TyrA	+/+/-/-	-/-	-/+/-/-/-
URE	-/-/-/-	-/-	-/-/-/-/-
dSOR	+/+/+/+	+/+	+/+/+/+/+
SAC	-/-/-/-	-/-	-/-/-/-/-
dTAG	+/+/+/+	-/-	+/+/+/+/-
dTRE	+/+/+/+	+/+	+/+/+/+/+
CIT	+/+/+/+	-/+	+/+/+/+/+
MNT	-/-/-/-	-/+	-/+/-/-/-
5KG	-/-	-/-	-/-/-/-/-
ILATk	+/-/-/-	-/-	-/-/-/-/-
AGLU	-/-/-/-	-/-	-/-/-/-/-
SUCT	+/-/-/-	-/-	-/-/-/-/+
NAGA	-/-/-/-	-/-	-/-/-/-/-
AGAL	+/+/+/+	+/+	+/+/+/+/+
PHOS	-/++/+/	-/-	-/+/-/-/-
GlyA	-/-/-/-	-/-	-/-/-/-/-
ODC	+/+/+/+	+/+	+/+/+/+/+
LDC	+/+/+/+	+/+	+/+/+/+/+
IHISa	-/-/-/-	-/-	-/-/-/-/-
CMT	+/+/+/+	+/+	+/+/+/+/+
BGUR	-/-/-/-	-/-	-/-/-/-/-
O129R	+/-+/+	+/-	+/-/-/-/-
GGAA	-/-/-/-	-/-	-/-/-/-/-
IMLTa	-/-/-/-	-/-	-/-/-/-/-
ELLM	-/-/-/-	-/-	-/-/-/-/-
ILATa	-/-/-/-	-/-	-/-/-/-/-

Common reaction for VITEK, API 20 E and Lab-made tests: BGAL/ONPG - beta-galactosidase, H2S - H2S production, dGLU/GLU - D-glucose, dMAN/MAN - D-mannitol, URE – urease, dSOR/SOR - D-sorbitol (not

includet Lab-made), SAC - saccharose/sucrose, CIT - citrate (sodium), ODC - ornithine decarboxylase (not includet Lab-made), LDC - lysine decarboxylase, **VITEK**: APPA - Ala-Phe-Pro-arylamidase, ADO – adonitol, PyrA - L-pyrrolydonyl-arylamidase, IARL - L-arabitol, dCEL - D-cellobiose, BNAG - beta-n-acetyl-glucosaminidase, AGLTp - Glutamyl Arylamidase pNA, GGT - gamma-glutamyl-transferase, OFF - fermentation/ glucose, BGLU - beta-glucosidase, dMAL - D-maltose, dMNE - D-mannose, BXYL - beta-xylosidase, BALap - beta-alanine arylamidase pNA, PrpA - L-Proline arylamidase, LIP – lipase, PLE – palatinose, TyrA - Tyrosine arylamidase, dTAG - D-tagatose, dTRE - D-trehalose, MNT – malonate, 5KG - 5-keto-d-gluconate, ILATk - L-lactate alkalisation, AGLU - alpha-glucosidase, SUCT - succinate alkalisation, NAGA - beta-N-acetyl-galactosaminidase, AGAL - alpha-galactosidase, PHOS – phosphatase, GlyA - glycine arylamidase, IHISa - L-histidine assimilation, CMT – coumarate, BGUR - beta-glucuronidase, O129R - O/129 resistance (comp.vibrio.), GGAA - Glu-Gly-Arg-arylamidase, IMLTa - L-malate assimilation, ELLM – ellman, ILATa - L-lactate assimilation **API 20E**: ADH - arginine dihydrolase, TDA - tryptophane deaminase, IND - indole production, VP - acetoin production (Voges Proskauer), GEL – gelatinase, INO – inositol, RHA – rhamnose, MEL – melibiose, AMY - amygdalin, ARA – arabinose

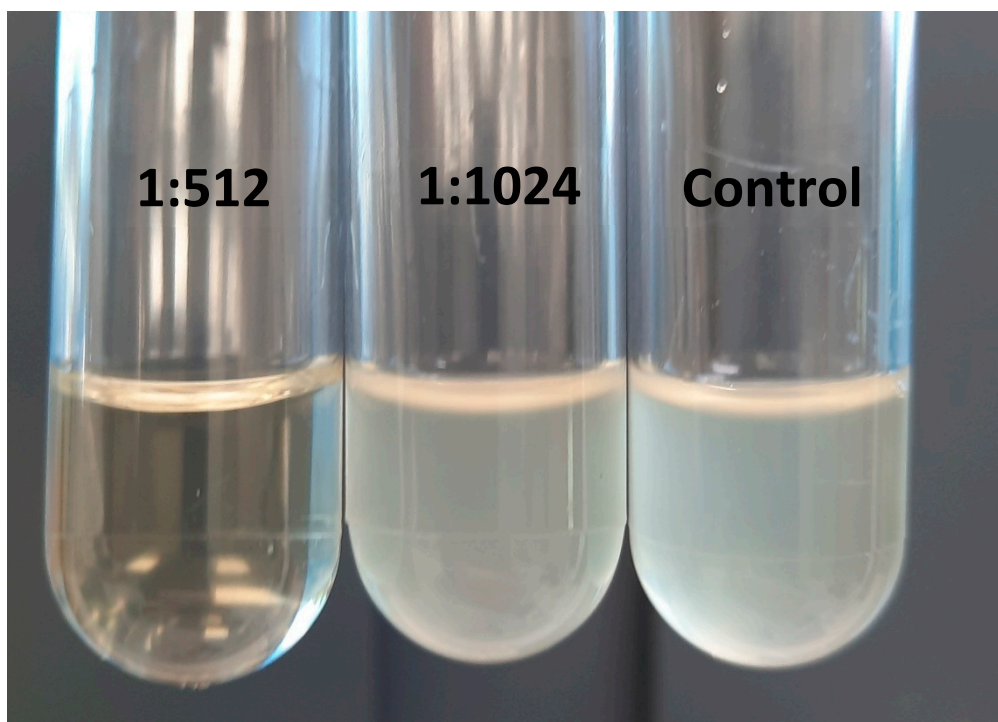


Figure S1. MIC evaluation of *S. Typhimurium*

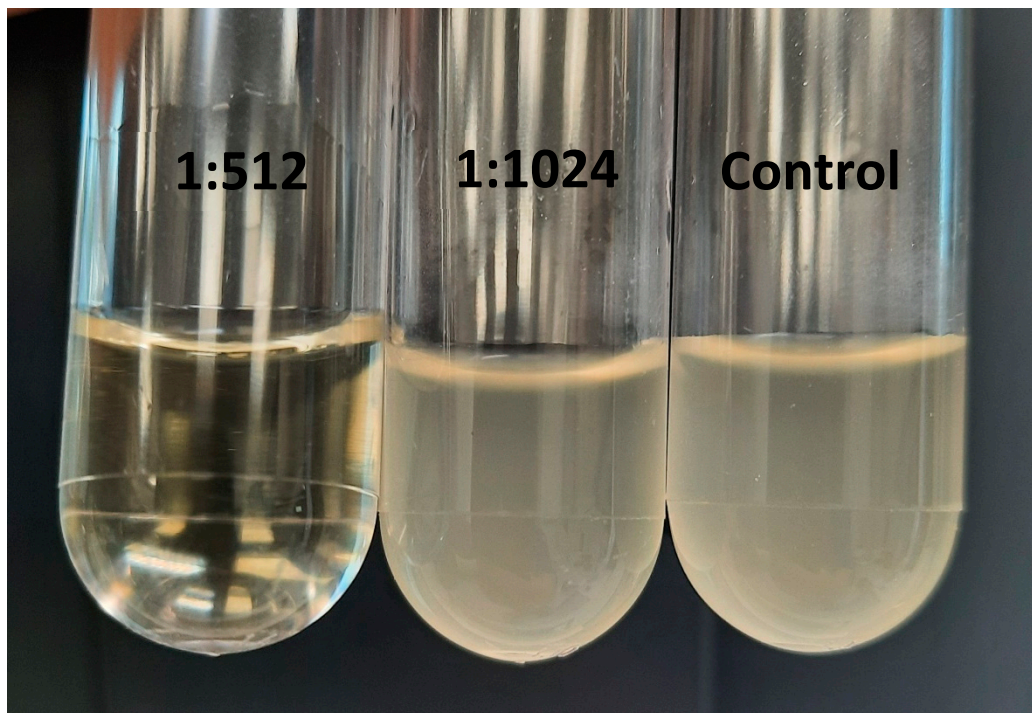


Figure S2. MIC evaluation of *S. Enteritidis*

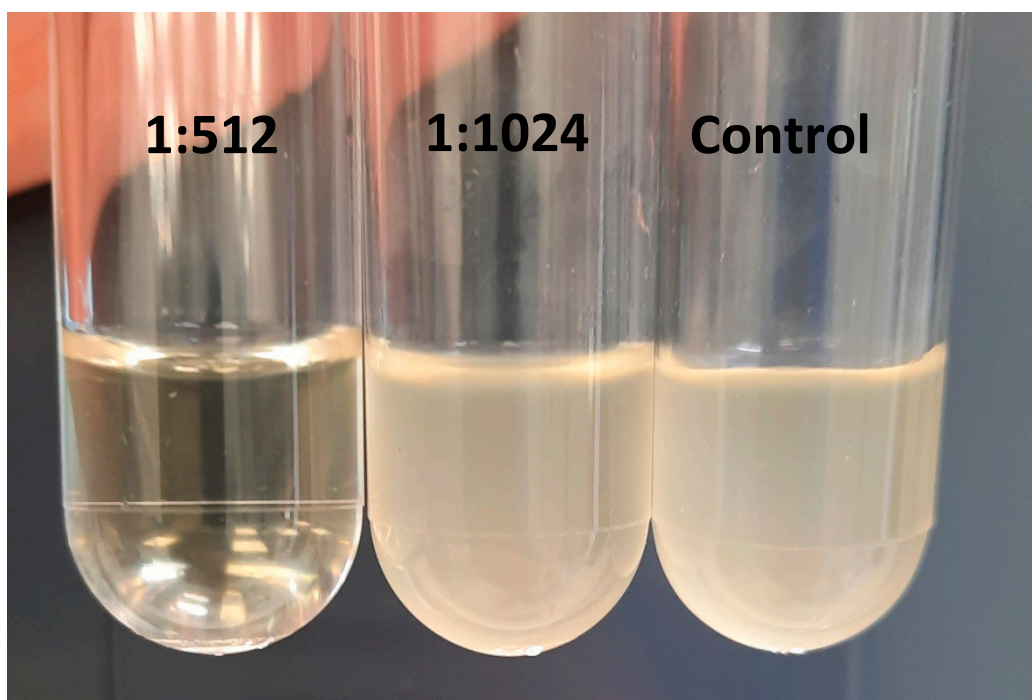


Figure S3. MIC evaluation of *S. Kentucky*

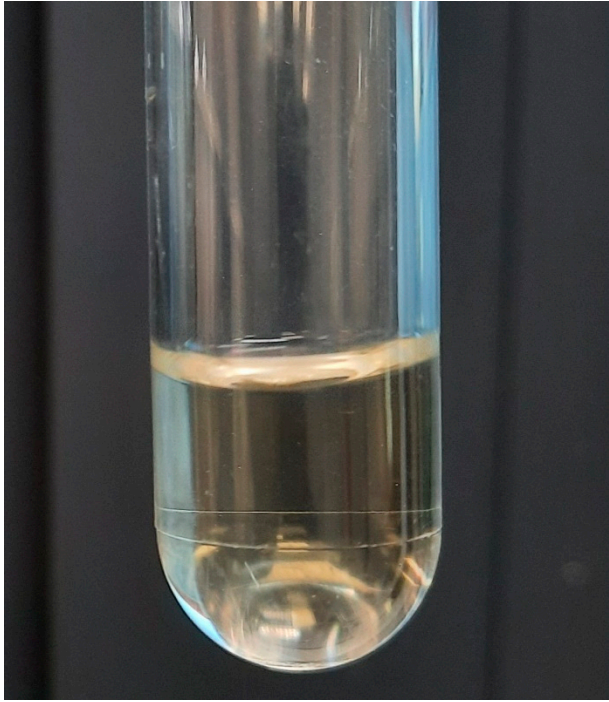


Figure S4. Negative control