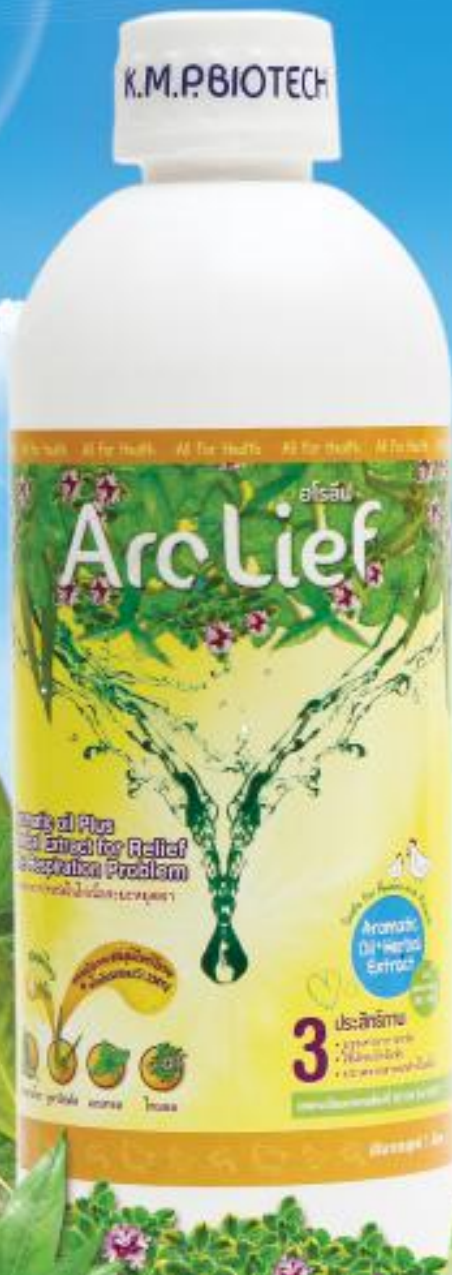


K.M.P.BIOTECH



Arc Lief

**Aromatic Oil Plus
Herbal Extract for Relieve
the Respiratory Problem**



- Andrographis paniculata**
- Eucalyptus oil**
- Menthol**
- Thymol**



www.kmpbiotech.com



Manufactured by
K.M.P.BIOTECH CO., LTD.
188/9 Moo 2, Klongtumru, Muangchonburi,
Chonburi 20000, Thailand.

3 Benefits } Relieve respiratory problems
Improve productivity
No withdrawal



**IMPROVE GROWTH
PERFORMANCE**



**SUPPORT
HEALTH**



**SAFE FOR
CONSUMER**



AroLief



Andrographis paniculata



Eucalyptus oil



Menthol



Thymol



Safe for Human and Animal
Aromatic Oil + Herbal Extract

For Veterinary Use Only

Benefits:

Relieve respiratory problems

- nasal decongestion
- antipyretic
- analgesia
- anti-inflammation
- reduce swelling
- reduce sneezing frequency

Increase productivity

- increase ADG
- reduce mortality rate at pre-slaughter period

Safe for consumer

- no pre-slaughter withdrawal period

> DIRECTION FOR USE:

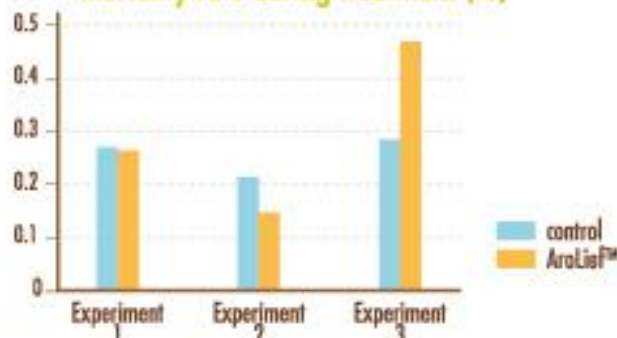
Application	Dosage
Drinking water	1 ml/ 10L of water, every 3-5 days
Spray	1 L/ 100L of water, every 2 days



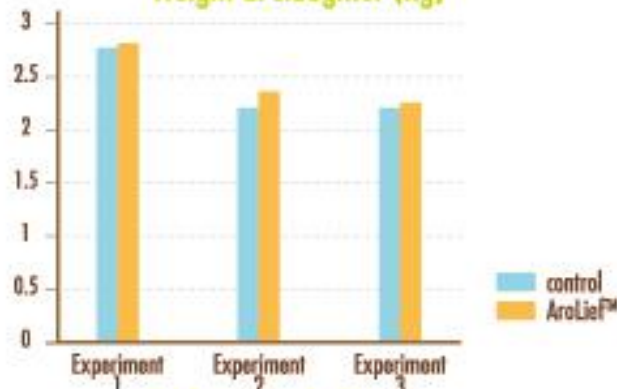
> IMPROVE GROWTH PERFORMANCE

Treatment period : chick 29-35 days old

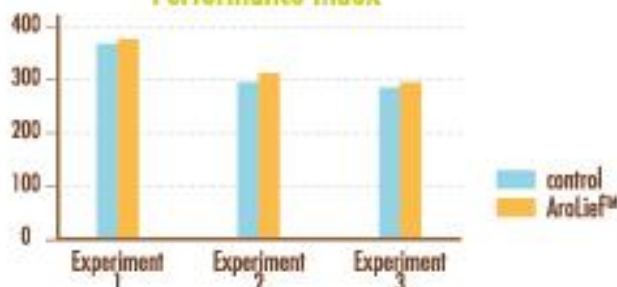
Mortality rate during treatment (%)



Weight at slaughter (kg)



Performance Index



> SUPPORT HEALTH

- ✓ Reduce sneezing frequency
- ✓ Reduce tracheal inflammation



3 days after use AroLief



- ✓ Reduce stress

	Control	AroLief™
H/L Ratio*	0.239	0.216

*Heterophil/Lymphocyte Ratio (Stress indicator)



> SAFE FOR CONSUMER

- ✓ No Antimicrobial residue in meat

Reference:

Skirloophalsan et al. 2014.

Efficacy of essential oil plus herbal extract on performance, serum biochemistry and blood hematology of broiler chicken. 10th APPC, South Korea.

Poonsak et al. 2014.

Effect of herbal extract and aromatic oil mixture (AroLief™) on broiler performance. 10th APPC, South Korea.