



**Less risk of enteric disorders**

- *Clostridium perfringens* is the agent causing necrotic enteritis and related subclinical conditions. Coccidiosis is a major predisposing factor and enhances the susceptibility of the gut wall for invasion with *Clostridium perfringens*
- Robenidine has a proven MIC level for *Clostridium perfringens*

table 1

MIC's of different *C.perfringens* strains isolated from chickens tested on Mueller-Hinton II agar and incubated anaerobically:

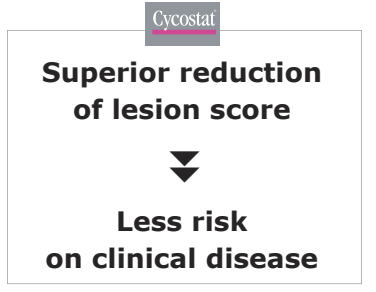
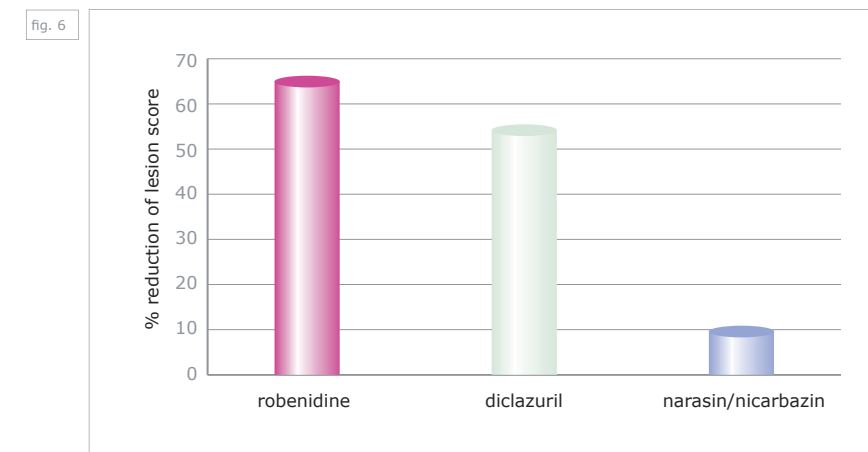
strain ref.	MIC	strain ref.	MIC
266/8867	4	En114	4
266/8829	4	En13	2
94/1394	4	En12	2
De98/4	4	De98/1	2
Ro2	4	Fin98/1	4
En11	4	En19	8
En115	2	En18	8

ref. Devrieze L.A. and Butaye P. (1999)  
In vitro activity of Robenidine on bacterial strains from target species. Faculty of Vet. Med., University of Ghent, Belgium

\*MIC: Minimal Inhibitory Concentration, µg/ml

**Superior reduction of lesion score compared to other chemicals**

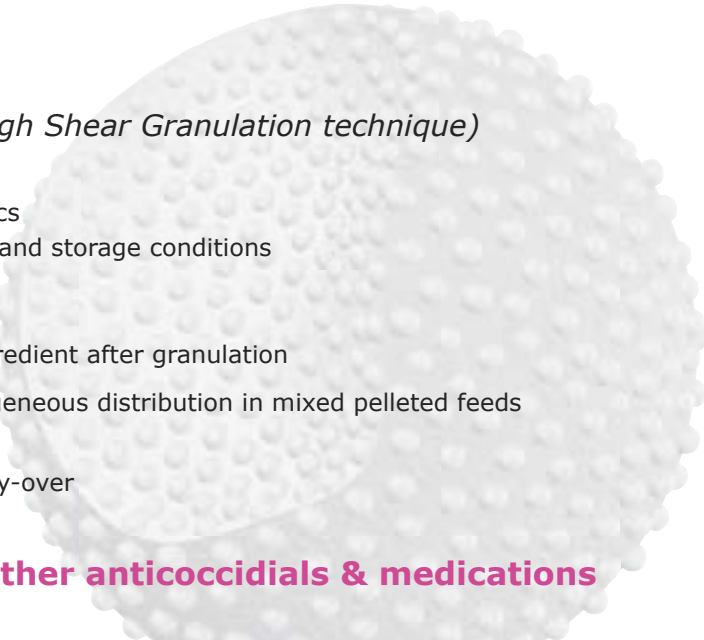
- Due to the impact of robenidine on 2 different stages of the live cycle of coccidia, the reduction of lesion score is better compared to other chemicals such as diclazuril



ref. Internal AST's

**Reliable and safe product to use**

- Unique Granular formulation (*High Shear Granulation technique*)
  - Dust-free
  - Good mixability and flowing characteristics
  - Excellent stability under feed processing and storage conditions
  - Reduced carry over in feed manufacture
- ▶ Accurate dosing due to less loss of active ingredient after granulation
- ▶ Optimal availability for the bird due to homogeneous distribution in mixed pelleted feeds for broilers
- ▶ Reduced need for flushing due to limited carry-over



**No known incompatibility with other anticoccidials & medications**



TRUSTED REFERENCE

thorough clean-up



- Highly potent and effective chemical anticoccidial for controlling all *Eimeria* species, even strains resistant to ionophore anticoccidials or other chemicals.
- Ideal for use as clean-up in full & shuttle anticoccidial programmes.
- 'Re-sensitizes' coccidia and therefore renews the effectiveness of ionophores in future preventive anticoccidial programmes.
- Reduces the occurrence of enteric disorders aggravated by coccidiosis such as necrotic enteritis.



Cycostat®, don't you prefer a thorough cleaning?



trusted reference

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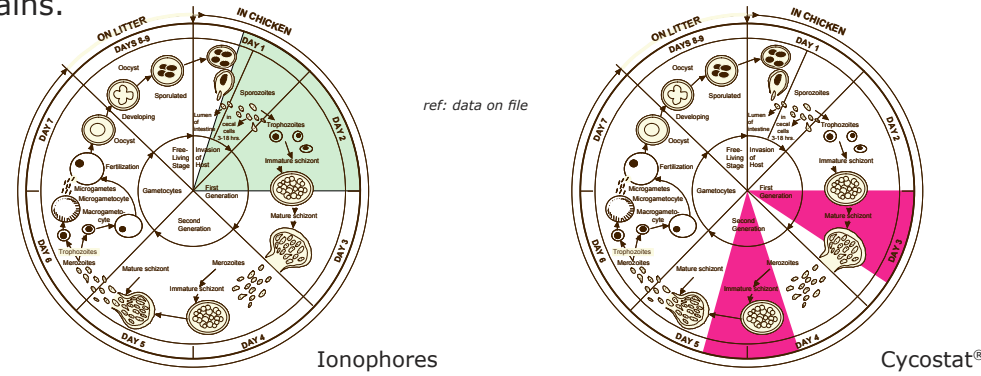
For more information, please contact your Alpharma Animal Health representative



Cycostat®, a potent and efficient coccidiosis control

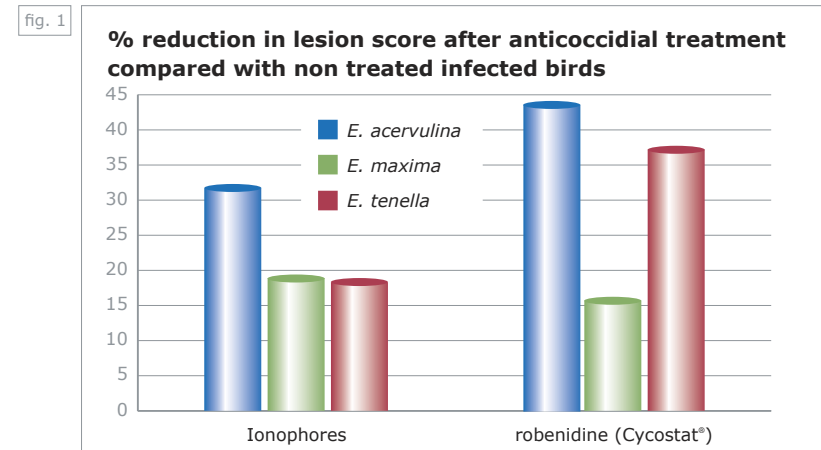
POTENCY

- Cycostat®, robenidine hydrochloride, is a highly potent chemical anticoccidial for broilers and turkeys.
- Chemicals affect the multiplication of coccidia during two stages of the live cycle, while ionophore anticoccidials only affect the oocysts during one stage.
- Use of chemical anticoccidials also prevents leakage of ionophore resistant and sensitive strains.



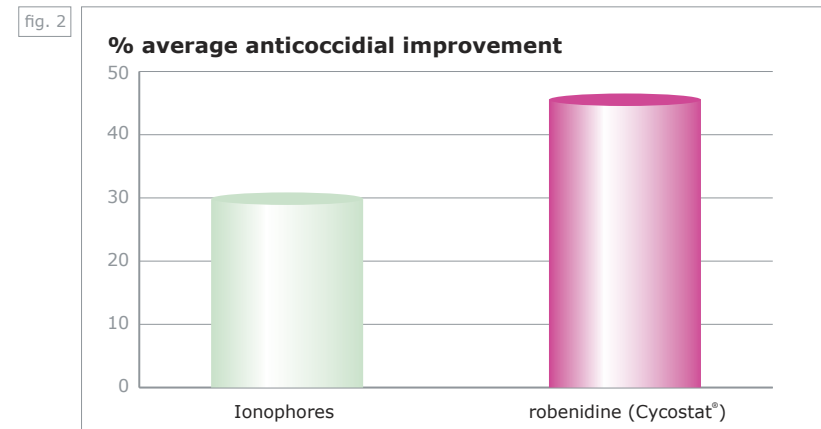
EFFICACY

- Sensitivity tests show Cycostat® is highly effective in the prevention of coccidiosis caused by all economically important *Eimeria* species in broilers. Compared to ionophore anticoccidials the results with Cycostat® are clearly superior.



**Cycostat® results in a higher reduction of lesion score than ionophore anticoccidials.**

(average results 18 AST's\*)



**Superior recovery of weight gain versus infected untreated birds compared to other anticoccidial treatments.**

(average results 51 AST's\*)

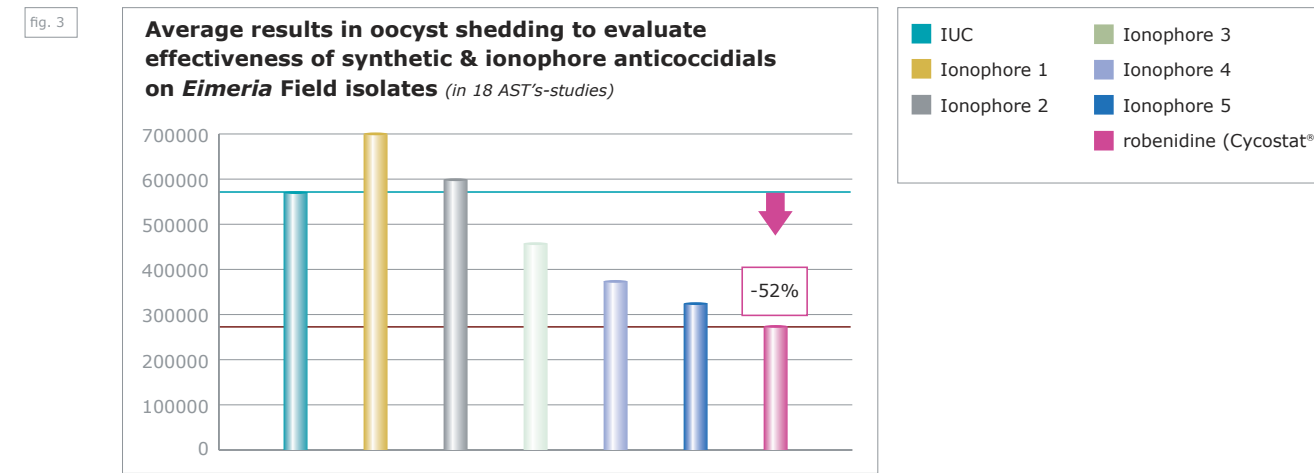
\* AST = Anticoccidial Sensitivity Test, performed under high challenge conditions

Chemical clean-up, part of a strategic anticoccidial programme in broiler flocks

- Coccidia have a tremendous reproductive capability which can result in a strong increase of infection pressure in a relatively short period. To prevent an increased infection pressure or in case of a high challenge situation a radical strategy is needed to reduce the risk of clinical coccidiosis development.

What is a clean-up strategy ?

- decisively suppressing coccidiosis infection pressure in flocks by using a chemical anticoccidial > reduces oocyst shedding in broilers to a minimum level compared to ionophore anticoccidials



Advantages:

- a quick method of reducing the level of *Eimeria* infection to boost performance and prevent clinical coccidiosis
- allows ionophores to rest and thus to "re-sensitize" coccidia thereby increasing the efficacy of ionophore anticoccidials used in future preventive programmes for broilers and turkeys
- reduces the level of potentially (cross) resistant parasites and therefore slows down the selection towards resistant or tolerant strains

**Synthetic or chemical anticoccidials are very effective compared to ionophore anticoccidials in thoroughly cleaning-up a flock environment of oocysts**

**Cycostat® is an ideal clean-up product to be used in programmes designed to prevent (sub)clinical coccidiosis because of:**

- its potent and broad spectrum anticoccidial activity
- its unique chemical structure of robenidine which prevents cross resistance with other anticoccidials

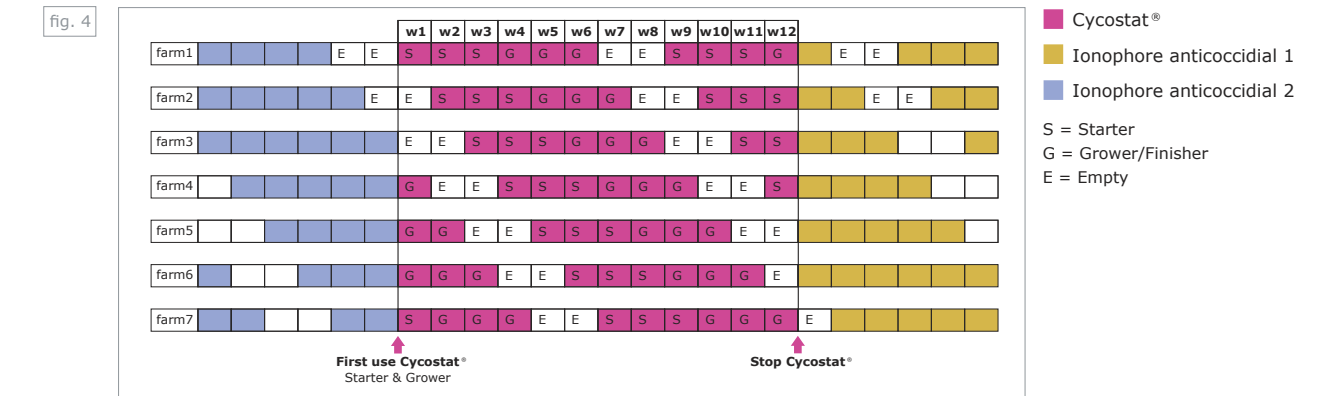


Cycostat®, a thorough clean-up of the flock reducing (resistant) Eimeria strains

- as a full cycle clean-up strategy
- as a clean-up in a shuttle programme

FULL CLEAN-UP PROGRAMME

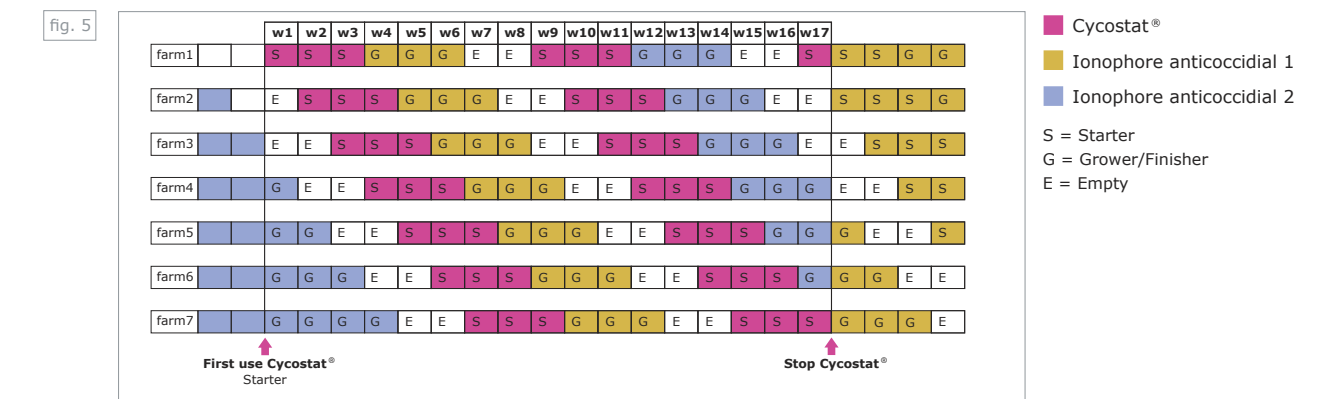
**At farm level:** use of Cycostat® in starter and grower feed to perform a clean-up during one complete grow out cycle.  
**At feed mill level:** Cycostat® needs to be implemented during a period of 3 months in order to realize on all farms a full grow out cycle clean-up.



**3 months Cycostat® to cover one full cycle on every farm !**

SHUTTLE CLEAN-UP PROGRAMME

**At farm level:** Cycostat® used in starter feed until day 14-21  
**At feed mill level:** it takes minimum 2 starter periods in one cycle with Cycostat® on every farm to realize a good clean-up of the flocks. In case of use in grower/finisher feed as a shuttle programme, it takes up to 18 weeks.



**17 weeks Cycostat® to cover 2 starter periods on every farm !**

A full clean-up programme provides a higher and faster reduction of infection pressure compared to a shuttle clean-up programme.

