



بيوريتيل. PURTYL

TYLOSIN
TARTRATE

100%

IPC[®]
INTERPHARMA

dox-a

Hi-tech

COMPOSITION

حبيبات ذوابه بالماء

Why Tartrate not phosphate ?

- ◆ More Soluble
- ◆ Highly absorbed after oral administration
- ◆ Highly bioavailable

لماذا تايلوزن تارتريت
وليس فوسفات ؟

أكثر ذوبان بالماء
أكثر إمتصاصا
أفضل فى الإتاحة الحيوية

PHARMACOKINETIC

- ◆ After oral administration Purtyl is well absorbed from the proximal parts of the digestive tract, so that a therapeutic blood level is rapidly attained .
- ◆ Therapeutic blood levels are reached within 1 - 2 hours
- ◆ It is also well diffused in body fluids and tissues.
- ◆ Purtyl solution is stable at pH 4 - 9
- ◆ Purtyl Excretion is mainly through urine and bile

- ◆ يمتص بيوريتيل من الأجزاء العلوية بالمعاء .
- ◆ يصل إلي أفضل تركيز بالدم بعد إعطائه من ساعة الي ساعتين .
- ◆ ذات إنتشارية عالية بسوائل وأنسجة الجسم .
- ◆ يتحمل بيوريتيل درجات إس هيدروجيني من 4-9 .
- ◆ يخرج بيوريتيل من الجسم بالإفرازات الصفراوية والبول .

PURTYL PHARMACODYNAMIC

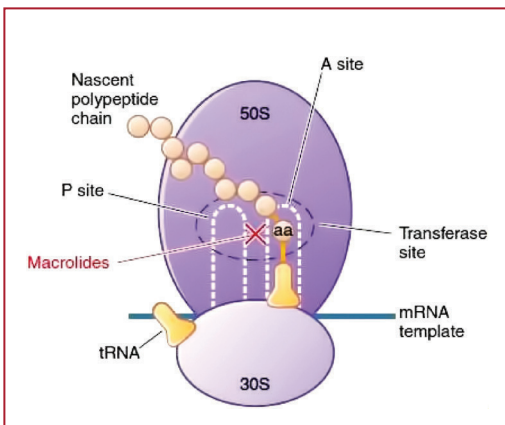
- ◆ Purtyl (Tylosine) is a macrolide antibiotic
- ◆ Bacteriostatic action but demonstrate bactericidal activity at high concentrations.
- ◆ Active against Gram - positive and Gram - negative
- ◆ Tylosin is very effective in the treatment of Chronic Respiratory Disease complex (CRD).
- ◆ It is also efficient in the treatment of infectious synovitis and sinusitis, as well necrotic enteritis .
- ◆ Purtyl is synergistic with tiamulin, tetracycline , spectinomycin

- ◆ واحد من الماكروليدات .
- ◆ له تأثير مثبط للبكتيريا ومع زيادة التركيز يكون قاتل .
- ◆ يقضي بكفاءة عالية على المشكلات التنفسية .
- ◆ يستخدم بكفاءة في الكلوستيديا والتهابات المفاصل .
- ◆ بيورثيل يستخدم مع التيمولين والتتراسيكلين و الإسبكتنومايين .

PURTYL MODE OF ACTION

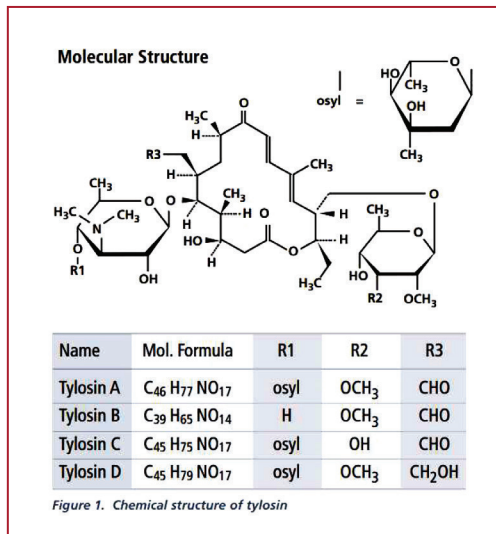
Purtyl Is Bacteriostatic Compound that

- ◆ Bind to the 23S rRNA in the 50S ribosome subunit so inhibit mRNA - directed protein synthesis.
- ◆ Stimulate the dissociation of peptidyl - tRNA from ribosomes during translocation.



- ◆ يمنع تكوين البروتينات.
- ◆ يحفز تفكك المادة الوراثية للبكتيريا أثناء النقل.

نقاط فنية هامة فى التيلوزين



Tylosin tartrate is, chemically, a compound comprising 4 major identified antibiotics, called " factor "

- Factor A (Tylosin) (أ) تايلوزين
- Factor B (Desmycosin) (ب) تايلوزين
- Factor C (Macrocin) (ج) تايلوزين
- Factor D (Relomycin) (د) تايلوزين

Factor	Specification for Tylosin	Relative Antibiotic Potency
Tylosin A	80%	100
Tylosin B		0.83
Tylosin C	15%	0.75
Tylosin D		0.35

Table Tylosin factors in tylosin base



European Pharmacopoeia , for Tylosin Tartrate, specifies that a drug complying with it, should satisfy these major features :

Tylosin A min 80.0%

Tylosin B+C+D min 15.0%

Loss on drying max 5%

- ◆ has a much higher content of the Factor A (Tylosin) ; which is ; normally ; higher than 90 % .
- ◆ When used for treatment ; has a highly effective and powerful action.
- ◆ has a loss on Drying lower than 2.5%

- ◆ محتوى يورتيل من التيلوزين أ أكثر من ٩٠ % .
- ◆ يضمن تأثير قوى جداً على البكتريا (يتحول من مثبط إلى قاتل) .
- ◆ الفقد أقل بكثير جداً .

Doxal Tylosine Quality

Batch No:	TF020106/S	TF030106/S	TF040106/S
Tests:			
Appearance	granular powder	granular powder	granular powder
Colour	white - light yellow	white - light yellow	white - light yellow
Odour	bitter odour	bitter odour	bitter odour
Tylosin tartrate identification	positive	positive	positive
Content of Tylosin A	92.4 %	95.0 %	93.5 %
Content of Tylosin B,C and D	5.8 %	2.8 %	3.7 %
Content of Tylosin A,B,C and D	98.2%	97.8%	97.2%
Loss on drying	1.8 %	2.20 %	2.15 %
Tylosin assay:	992 µg/mg	952 µg/mg	935 µg/mg
Total viable aerobic count	5 cfu/g	8 cfu/g	13 cfu/g
Fungi	2 cfu/g	3 cfu/g	8 cfu/g
<i>Escherichia Coli</i>	absent	absent	absent

Doxal Tylosine Quality

Batch Nos:	TF020106/BA	TF030106/BA	TF040106/BA
Tests:			
Appearance	granular powder	granular powder	granular powder
Colour	white - light yellow	white - light yellow	white - light yellow
Odour	bitter odour	bitter odour	bitter odour
Tylosin tartrate identification	positive	positive	positive
Content of tylosin A	93.1 %	92.2 %	92.7 %
Content of tylosin B,C and D	4.8 %	5.8 %	4.8 %
Content of tylosin A,B,C and D	97.9 %	98.0 %	97.5 %
Loss on drying	2.25 %	1.95 %	2.15 %
Tylosin assay:	929 µg/mg	920 µg/mg	926 µg/mg
Total viable aerobic count	8 cfu/g	18 cfu/g	12 cfu/g
Fungi	5 cfu/g	10 cfu/g	5 cfu/g
<i>Escherichia Coli</i>	absent	absent	absent

PURTYL DOSAGE



For the treatment of chronic respiratory disease, and necrotic enteritis.

PURTYL WITHDRAWAL TIME



Poultry : 0 days



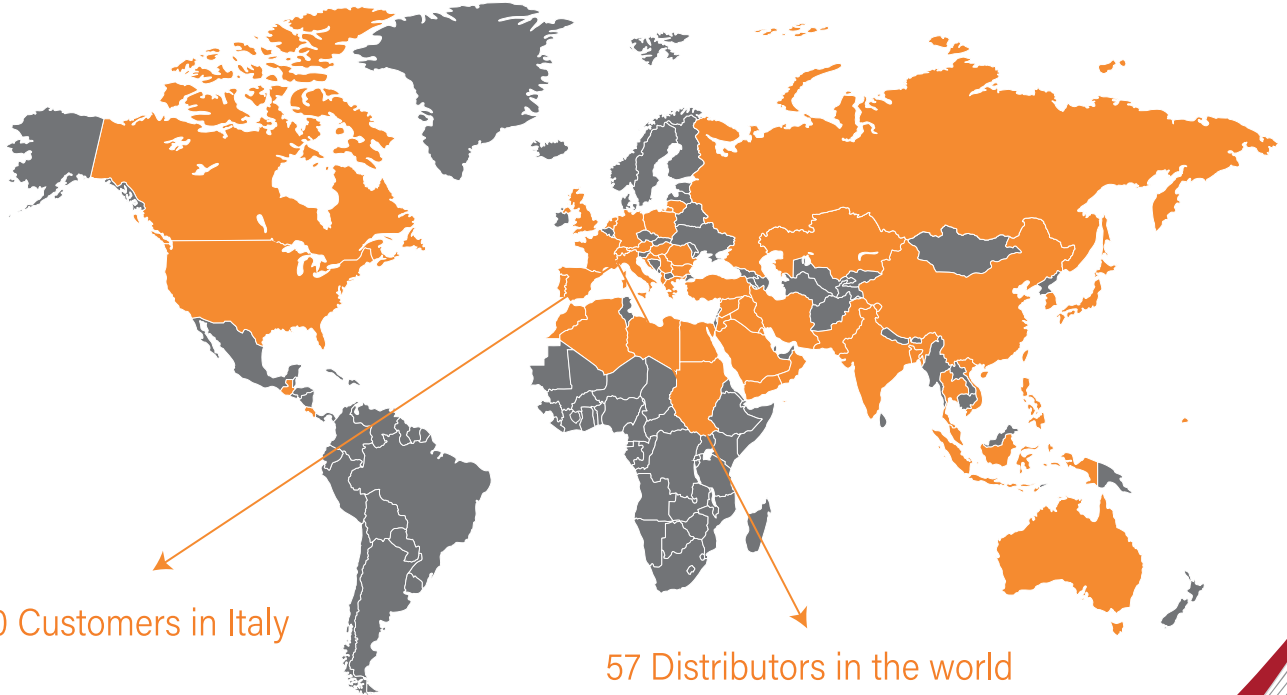
Eggs : 0 days

COMMENTS

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DOXAL WORLDWIDE

Doxal is actively selling into more than 45 countries



1800 Customers in Italy

57 Distributors in the world



Sole agent

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