

SEDICO

Penicillin Factory

SEDICO has built this factory to comply with WHO & GMP regulations

Toll Manufacturing

increasing the production capacity of SEDICO plans & to attract some of major pharmaceutical companies which produce their sterile penicillin products

SEDICO will invite these companies to attend the inauguration of the new factory. Toll manufacturing contracts will be signed with interested companies.



Factory Specifications:

Land Size:

(L) 115 m x (W) 50 m = 5750 m²

Actual Factory Size:

(L) 31 m x (W) 50 m = 1550 m²

Factory Departments:

Production department	Inventory control & W/H department
QC / QA department	Administration & General service department

Factory Facilities:

Meeting / Training room	Visitor lockers	Reception area	Library
Oracle computerized system	Prayer room	Personnel lockers	Lavatories
Fire Control System	Workshop room	Laundry room	Cafeteria

Production Equipment List

Machine Name	Description	Company	Origin
Hydra 1500 AB	Linear vial washing	IMA LIFE	Italy
BG 870 FLS	Depyrogenation tunnel	IMA LIFE	Italy
Micro dozing-Stopping	Powder Filling MD300	IMA LIFE	Italy
Capping	Aluminum Capping G550	IMA LIFE	Italy
Labeling	Vial Labeling	MACOFAR	Italy
Cartoning	Vial Cartooning	MACOFAR	Italy
Autoclave	Steam Sterilization	FEDEGARI	Italy
Water treatment Plant	Purified Water/ WFI	STILMAS	Italy

Water for Injection Line

Rommelag-Bottlepack	WFI filling vial 5 ml 312M	Rommelag	Swiss
Autoclave	Sterilization of WFI vial		
Labeling	Labeling of WFI vial		

SEDICO Penicillin Including Products

Product Name	Properties
<u>Biomox 250 mg</u> <u>Biomox 500 mg</u> <u>Biomox 1 g</u>	<p>Amoxicillin is acid resistant, semi-synthetic penicillin with a broad spectrum of activity .Biomox is bactericidal to a wide range of G+ and G- micro-organisms.</p> <p>Amoxycillin is rapidly absorbed whether the stomach is empty or not. Its peak blood level is 2 1/2 times that of the same dose of ampicillin. The therapeutic level lasts for up to 8 hours. Biomox is widely distributed in body tissues and fluids.</p>
<u>Flucamox 500 mg</u> <u>Flucamox 1 g</u>	<p>Flucamox is a combination of two broad spectrum semi synthetic penicillin: Amoxicillin & Flucloxacillin.</p> <p>Amoxicillin: Covers a wide range of Gm-ve microorganisms. Unlike Ampicillin the absorption of Amoxicillin is not affected by the presence of food in the stomach. It also produces higher plasma and tissue concentration than those obtained by the same dose of ampicillin.</p> <p>Flucloxacillin (isoxazolyl penicillin): Is resistant to penicillinase enzyme and thus it acts on penicillinase producing micro-organisms including most Staphylococci.</p> <p>Flucamox is well absorbed from the G.I.T with high peak blood levels that last for more than 8 hours.</p>
<u>Magnabiotic 600 mg</u> <u>Magnabiotic 1.2 g</u>	<p>Magnabiotic is an oral antibacterial combination of Amoxicillin & Clavulanic acid.</p> <p>Amoxicillin: Is a broad spectrum semi synthetic penicillin .</p> <p>Clavulanic acid: Is a B-lactam structurally related to Penicillins that inactivate B-lactamases enzymes commonly found in micro-organisms resistant to penicillin .</p> <p>The combination of Amoxicillin / Clavulanic acid extends the antibiotic spectrum of Amoxicillin to include bacteria normally resistant to Amoxicillin & other B-lactam antibiotics. Magnabiotic is well absorbed from G.I.T after oral administration, stable in the presence of gastric acid & may be administered without regard to meals. About 50-70 % of Magnabiotic is excreted unchanged in urine during the first 6 hours after oral administration. It diffuses readily into most body tissues & fluids & can be detected in middle ear effusion.</p>
<u>Ultracillin 375 mg</u> <u>Ultracillin 750 mg</u> <u>Ultracillin 1.5 g</u>	<p>Sultamicillin is a precursor of ampicillin.</p> <p>The Ampicillin and Sulbactam: ▶ <u>Sulbactam</u> is an irreversible inhibitor of most important beta - lactamases, that occur in penicillin-resistant organisms. Sulbactam exhibits synergistic effect with penicillin and cephalosporin's.</p> <p>▶ <u>Ampicillin</u> is the bactericidal component of the combination, as it inhibits the biosynthesis of cell wall mucopeptide of many Gm +ve, Gm- ve aerobic and anaerobic bacteria.</p> <p>Sultamicillin is well absorbed and diffuses readily into most tissues and fluids in the human body. Penetration into brain and spinal fluid is low except when meninges are inflamed, high concentrations of sulbactam and ampicillin. They are achieved in the blood, and both components have a half-life of one hour. Most of the sulbactam and ampicillin is excreted unchanged in the urine.</p>

SEDICO

Future Project Expansion

New warehouse:

W/H size (L) 60 m x (W) 38 m x (H) 10 m = 22800m³

This W/H will serve the current sterile penicillin factory & the proposed Antibiotic project factory.

New Antibiotic project factory:

Factory size (L) 43 m x (W) 40 m=1720 m²

This factory will produce dry suspension, capsule & tablet dosage forms.

