**Appendix. Detailed List of Risk Analysis and Action Strategies**

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| **Drugs (ingredients)** | **Risk analysis** | **Action strategies** |
| **Probability (P)** | **Impact (I)** | **Hazard index (P\*I)** | **(1)****Increased backup stock (increased weeks)** | **(2)****Alternatives** |
| Depyretin (Acetaminophen)500mg/Tab | 4 | 3 | 12 | 9 |  |
| Penicillin G (Penicillin G)3MU/Vial | 4 | 3 | 12 | 9 | \* |
| Agglutex (Heparin)5000unit/5mL/Vial | 4 | 3 | 12 | 9 |  |
| Cortisone (Cortisone)25mg/Tab | 3 | 4 | 12 | 9 |  |
| Vancomycin (Vancomycin)500mg/Vial | 4 | 3 | 12 | 9 | \* |
| Cefazolin (Cefazolin)1g/Vial | 3 | 3 | 9 | 9 |  |
| Amoxicillin (Amoxicillin)500mg/Tab | 3 | 3 | 9 | 9 |  |
| Polupi (Propylthiouracil)50mg/Tab | 3 | 3 | 9 | 9 |  |
| Gentamycin (Gentamicin)80mg/2mL/Vial | 3 | 3 | 9 | 9 |  |
| Genso (Atracurium)25mg/2.5mL/Amp | 4 | 2 | 8 | 6 |  |
| Urea Cream (Urea)10%/Tube | 4 | 2 | 8 | 6 | \* |
| B.C. Complex/Cap | 2 | 4 | 8 | 6 |  |
| Adrenalin (Epinephrine)1mg/1mL/Amp | 4 | 2 | 8 | 6 | \* |
| Lidophrine +E (Lidocaine 20mg+Epinephrine 0.02mg), 20mL/Vial | 3 | 2 | 6 | 6 |  |
| Silymarin (Silymarin)150mg/Cap | 3 | 2 | 6 | 6 |  |
| Rasitol (Furosemide)40mg/Tab | 3 | 2 | 6 | 6 |  |
| Cintsu SR (Verapamil)240mg/Tab | 3 | 2 | 6 | 6 |  |
| Tetracycline (Tetracycline) 250mg/Cap | 2 | 3 | 6 | 6 |  |
| Unifradine (Cephradine)250mg/Cap | 2 | 3 | 6 | 6 |  |
| Cefim (Cefepime)500mg /Vial | 2 | 3 | 6 | 6 |  |
| Biomycin (Tyrothricin 0.5mg/g+ Neomycin 5mg/g)10g/Tube | 2 | 3 | 6 | 6 |  |
| Ceftriaxone (Ceftriaxone)2g/Vial | 2 | 3 | 6 | 6 |  |
| Rofew (Piracetam)12g/60mL/Bot | 3 | 2 | 6 | 6 |  |
| Utrogestan (Progesterone)100mg/Cap | 2 | 3 | 6 | 6 |  |
| Doxycycline (Doxycycline)100mg/Cap | 2 | 3 | 6 | 6 |  |
| Parotin (Dipyridamole)75mg/Tab | 3 | 2 | 6 | 6 |  |
| U-SODIN (Verapamil)5mg/2mL/Amp | 3 | 2 | 6 | 6 |  |
| Danalol (Danazol)200mg/Cap | 2 | 3 | 6 | 6 |  |
| Progeston Depot (Hydroxyprogesterone)125mg/1mL/Amp | 2 | 3 | 6 | 6 |  |
| Klaricid XL (Clarithromycin)500mg/Tab | 2 | 2 | 4 | 3 |  |
| Donison ( Prednisolone)5mg/Tab | 2 | 2 | 4 | 3 |  |
| Bokey ( Aspirin)100mg/Cap | 2 | 2 | 4 | 3 |  |
| Aldactin ( Spironolactone)25mg/Tab | 2 | 2 | 4 | 3 |  |
| Destone ( Potassium citrate)5meq(540mg)/Tab | 2 | 2 | 4 | 3 |  |
| Cefuroxime ( Cefuroxime)750mg/Vial | 2 | 2 | 4 | 3 |  |
| Royalsense Acne ( Clindamycin)1%/Tube | 2 | 2 | 4 | 3 |  |
| Amiyu( Amino acid) 200mL/Bot | 2 | 2 | 4 | 3 |  |
| Suca ( Sucralfate)1.02g/Pack | 2 | 2 | 4 | 3 |  |
| Gentax eye drops ( Gentamicin)0.3% 0.5mL/支 | 2 | 2 | 4 | 3 |  |
| Cabudan (Captopril)25mg/Tab | 2 | 2 | 4 | 3 |  |
| Sindine Surgical Scrub ( Povidone iodine)3800mL/Bot | 2 | 2 | 4 | 3 |  |
| Piperacillin ( Piperacillin)2g/Vial | 2 | 2 | 4 | 3 |  |
| Algitab chewable ( Alginic acid)複方/Tab | 1 | 3 | 3 | 3 |  |
| Thimazol ( Methimazole)5mg/Tab | 1 | 3 | 3 | 3 |  |
| Cexime ( Cefixime)100mg/Cap | 1 | 3 | 3 | 3 |  |
| Rasitol ( Furosemide)20mg/2mL/Amp | 3 | 1 | 3 | 3 |  |
| Ediol F.C. ( Estradiol)1mg/Tab | 1 | 3 | 3 | 3 |  |
| Amsulber( Ampicillin 1g+Sulbactam 0.5g)/Vial | 1 | 3 | 3 | 3 |  |
| Prophylline ( Dyphylline)100mg/Tab | 1 | 3 | 3 | 3 |  |
| Neomycin ( Neomycin)250mg/Cap | 1 | 3 | 3 | 3 |  |
| Tegretol CR ( Carbamazepine)200mg/Tab | 1 | 3 | 3 | 3 |  |
| Klaricid ( Clarithromycin)500mg/Vial | 1 | 3 | 3 | 3 |  |
| Klaricid paediatric suspension(Clarithromycin) 25mg/mL;70mL/Bot | 1 | 3 | 3 | 3 |  |
| Acemycin( Amikacin)500mg/2mL/Vial | 1 | 3 | 3 | 3 |  |
| Taita So'ln No. 5 | 1 | 2 | 2 | 3 |  |
| OLICLINOMEL N7( Glucose 240g + Amino acids 60g + Fat 60g)/Bag | 1 | 2 | 2 | 3 |  |
| Oliclinomel N4( Glucose 120g + Amino acids 33g + Fat 30g)/Bag | 1 | 2 | 2 | 3 |  |
| Taita So'ln No. 3 | 1 | 2 | 2 | 3 |  |
| Taita So'ln No. 4 | 1 | 2 | 2 | 3 |  |
| Taita So'ln No. 1 | 1 | 2 | 2 | 3 |  |
| Soma(Chlorzoxazone 150mg + Acetaminophen 250mg +Caffeine 20mg + Thiamine 7.7mg)/Cap | 1 | 2 | 2 | 3 |  |
| Mannitol ( Mannitol)20%, 100g/500mL/Bot | 1 | 2 | 2 | 3 |  |
| Ropica ( Ropivacaine)200mg/20mL/Vial | 1 | 2 | 2 | 3 |  |
| Brosym ( Cefoperazone 1g+Sulbactam 1g)2g/Vial | 1 | 2 | 2 | 3 |  |
| Lasus ( Phosphate Sodium)45mL/Bot | 1 | 2 | 2 | 3 |  |
| Polinin V.Supp( Policresulen)90mg/Tab | 2 | 1 | 2 | 3 |  |
| Sindine AQ ( Povidone iodine)500mL/Bot | 1 | 2 | 2 | 3 |  |
| Melopen ( Meropenem)1g/Vial | 1 | 2 | 2 | 3 |  |
| Alginos ( Alginic acid)30 mL/Bot | 1 | 2 | 2 | 3 |  |
| Sindine AQ ( Povidone iodine)200mL/Bot | 1 | 2 | 2 | 3 |  |
| Gestrin ( Gestrinone)2.5mg/Cap | 1 | 2 | 2 | 3 |  |
| Sindine ALC ( Povidone iodine)200mL/Bot | 1 | 2 | 2 | 3 |  |
| Cetaxime ( Cefotaxime)2g/Vial | 1 | 2 | 2 | 3 |  |
| Dextran D ( Dextran)10% 500mL/Bag | 1 | 2 | 2 | 3 |  |
| Viramune XR ( Nevirapine)400mg/Tab | 1 | 2 | 2 | 3 |  |
| Soolantra Cream ( Ivermectin)1%,30g/Tube | 1 | 2 | 2 | 3 |  |
| Carvedilol Hexal ( Carvedilol)6.25mg/Tab | 1 | 2 | 2 | 3 |  |
| Lecadopa ( Carbidopa 25mg+Levodopa 100mg)/Tab | 1 | 2 | 2 | 3 |  |
| Taita So'ln No. 2 | 1 | 2 | 2 | 3 |  |
| Pasca Gel ( Tolnaftate 20mg/g+ methyl salicylate 20mg/g) 10g/Tube | 1 | 2 | 2 | 3 |  |
| Tropine drops ( Atropine)0.125 %, 5mL/Bot | 2 | 1 | 2 | 3 |  |
| Nystatin ( Nystatin)0.5MU/Cap | 1 | 2 | 2 | 3 |  |
| Flusine ( Flucytosine)500mg/Tab | 1 | 2 | 2 | 3 |  |
| Bowklean (Picosulfate 0.01 g+Citric Acid 12 g+MgO 3.5g) 16.2g/Pack | 1 | 1 | 1 | 3 |  |
| Lidin (Lithium)300mg/Tab | 1 | 1 | 1 | 3 |  |
| Antol Eye Drops (Atropine)1%, 5mL/Bot | 1 | 1 | 1 | 3 |  |
| Propranolol (Propranolol)40mg/Tab | 1 | 1 | 1 | 3 |  |
| Clopine (Clozapine)25mg/Tab | 1 | 1 | 1 | 3 |  |
| Acyclo-H Cream (Acyclovir 5% + Hydrocortisone 1%)5g/Tube | 1 | 1 | 1 | 3 |  |
| Cefotin (Cefoxitin)2g/Vial | 1 | 4 | 4 | 3 |  |