

"Updates on Drug Records on Electronic Health Record (eHR) System" 23 Jan 2013



Work done on the development of Hong Kong Medication Terminology Table

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Build, develop and maintain the HKMTT – 3 aspects

HK reg Actual Medicinal Product 51979 Ancobon (5-flucytosine) oral capsule 500 mg 41418 Acyclovir Stada (acyclovir) topical cream 5 % 47049 Zovirax Cold Sore Cream (acyclovir) topical cream 5 % 17375 Zovirax (acyclovir) eye ointment 3 % 44713 Cusiviral (acyclovir) eye ointment 3 % 44957 Super-E (d-alpha-tocopherol) oral capsule 200 internaional unit 45083 Ametop (amethocaine) topical gel 4 % 39546 amoxycillin (Bright Future) oral capsule 250 mg 41459 APT-Amoxycillin (amoxycillin (as trihydrate)) oral capsule 250 mg 59660 Blackmores Vit D3 (cholecalciferol) oral capsule 1000 international u 55341 Novorapid (insulin aspart human) subcutaneous injection, cartridge 2 Trental (oxpentifylline) oral controlled-release tablet 400 mg 05569 33470 Predfoam (prednisolone (as sodium metasulphobenzoate)) rectal foa 52336 Infloran (lactobacillus acidophilus + bifidobacterium bifidum) oral ca 52336 Infloran (lactobacillus acidophilus + bifidobacterium bifidum) oral ca

Data Content Preparation

How, by whom and when ?

Content Governance

How to ensure quality and compliance to international standards ?



Nicotinell (nicotine) buccal chewing gum (nolacrilex) 2 mg (fruit

Building the Technical Infrastructures

What supporting technical infrastructures are required?

2.

\$ 47289

What's been done so far?



4-Phase Data Developmental Approach



Agreed set of critical data elements

Pharmaceutical Companies /

Extracted from "Update on HK Drug standards – 7th DH-HA Liaison Meeting

Phase 1 of MTT data preparation – DH and eHR Office defined and agreed on the essential data elements required in the co-production model. DH invited certificate holders to submit these information (adhoc, and in the longer run as registration particulars)

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9	Home	Insert Page Layout	Formulas Data	Review	View													
Norma	Page P Layout	Preview Custom Full Views Screen prkbook Views	Gridlines Ho Message Bar Show/Hide	ormula Bar eadings	Zoom	100% Zoom	Zoom to Selection	New A Window	rrange Free All Pane	Eze es + Onh	t DD1 e DD1 iide DD1 W	View Side by Sid Synchronous Sc Reset Window F indow	te rolling Position Wor	jave Sw kspace Wind	vitch dows * Macr	os os		
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	HK Registration			Virtual Thera	peutic					ingredient strength	ingredien strength	t ingredient unit of	ingredient unit of	legal		Certificate	Supporting	VTN
1	no.	Trade Name		Moiety (prefe	erred term)	Route	Dose Forn	n Strength	ingredient	value	unit	measure value	measure unit	classification	Manufacturer	holder	document?	Sho
L0222	45885	REDUCTIL CAP 15MG																
L0223	46636	GENTEAL LUBRICANT EYE DROPS	0.3%															
L0224	50407	TRAVATAN OPHTHALMIC SOLUTIO	ON 0.004%															
L0225	50795	NIZORAL TAB 200MG (PORTUGAL	-)															
L0226	05532	DAKTARIN CREAM 2%				_	_		_		-							
L0227	25225	SICORTEN CREAM 0.05%																
L0228	33645	ISOPTO TEARS 0.5%				-	The te	mplate	e lists o	out the								
10229	33817	OSPEXIN CAP 250MG				1	5 CRI	ΓΙĊΔΙ Γ	ΔTΔ fr	om DH								
L0230	33907	VANCOMYCIN HCL FOR INJ 500M	IG IV (HOSPIRA)			-												
L0231	35994	CATAFLAM TAB 50MG							_									
L0232	36628	LAMISIL CREAM 1%																
L0233	39023	FAMVIR TAB 250MG																
L0234	39067	SIRDALUD TAB 2MG																
L0235	39153	MAXIPIME POWDER FOR INJ 1G																
L0236	39154	MAXIPIME POWDER FOR INJ 2G	_	•			-											
L0237	42877	IOMERON 300 INJ	We crea	ted a t	omnla	to f	or											
L0238	42878	IOMERON 350 INJ	vve crea															
L0239	47236	ZOCOR TAB 80MG	collabo	rative of	data e	ffort	S											
L0240	48722	ZADITEN EYEDROPS 0.025%	_				-											
10241	49434	REMINYL TAB 12MG					_											
L0242	53549	AVASTIN ROCHE INJ 100MG/4ML																
L0243	00410	ADRENALINE INJ BP 1:1000 (MAY	(NE)															
L0244	30872	METHYCOBAL TAB 500UG																
10245	32142	MAGNESIUM SULPHATE CONCEN	TRATED INJ 49.3% (MAYNE)															
10246	36984	DILATREND TAB 25MG																
10247	39193	NEOTIGASON CAP 10MG																
10248	39194	NEOTIGASON CAP 25MG																
10249	42822	DILATREND TAB 6.25MG																
10250	44104	GLIBENCLAMIDE TAB BP 5MG (AP	רי															
10251	44112	OMNIPAQUE INJ 300MGI/ML																
10252	44164	PHARMORUBICIN CS INJ 2MG/MI	L															
10253	46604	RHINOCORT AQ NASAL SPRAY 321	MCG/DOSE						_									
0254	40005	KHINUCUKI AQ NASAL SPRAY 641	WICG/DUSE															

Phase 2 of MTT data preparation – in the manual data co-production phase, information was gathered on a pre-defined list of data for all HKregistered pharmaceutical products

	A	В	С	D	E	F	G	H	I	J	K	L	М	N	0	P	Q	R	
				No. of		Strength	Strength	Strength	Streamth	Poute of	Dere	PRLS				Place of	No. of	Composed	
	HK No.	Product Name	Proposed Trade Name	Active	Active Ingredient	Measure	Measure	Dose	Dose Unit	Admin	Form	Legal	PRLS Cert Holder	Pack Size	Name of manufacturer	manufacturing	Component	Name	Refer
52	HK22465	ANIMAL KING TAB CHEW, EDU	ANIMAL KING	Ingredient		Value	Unit	Value	tablet	0.01	Chauchle	Class	NEOCHEM PHARMAG		NEOCHEM PHARMACEUTICAL L	HONG KONG	- 1	Whole Product	DHH
54	HK22465	ANIMAL KING TAB CHEW, FRUI	ANIMAL KING	1	LO THIAMINE HYDROCHLORIDE	0.2	me	1	tablet	Oral	Chewable	PI	NEOCHEM PHARMAG	EUTICAL LABORATORIE	NEOCHEM PHARMACEUTICAL I	HONG KONG	1	Whole Product	DHHA
55	HK23764	SPORINEX TAB 500MG	SPORINEX		1 TINIDAZOLE	500	mg	1	tablet	Oral	Tablet	PI	STAR MEDICAL SUPPL	JES LTD	MEDOCHEMIE LTD.	CYPRUS	1	Whole Product	DHH/
56	HK26470	EVANS N-200 CAP 200 IU	EVANS		1 VITAMIN E (AS D-ALPHA TOCOPH	200) iu	1	capsule	Oral	Capsule	NP	MOUNTAIN TRADING	CO LTD	CARDINAL HEALTH AUSTRA 40:	AUSTRALIA	1	Whole Product	DHH4
57	HK30097	GLYCINE IRRIGATION SOLN 1.5	GLYCINE		1 GLYCINE	1.5	5 % w/v			Urethral	Irrigation :	NP	HOSPIRA LIMITED		HOSPIRA INC	U.S.A.	1	Wholeproduct	DHH/
58	нкзреое	STRONG-GIN CAP	STRONG-GIN	1	16 CYANOCOBALAMIN	10) mcg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
59	HK30606	STRONG-GIN CAP	STRONG-GIN	1	L6 GINSENG POWDER	5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH4
60	HK30606	STRONG-GIN CAP	STRONG-GIN	1	16 VITAMIN E (AS DL-ALPHA TOCOFE	50) mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
61	HK30606	STRONG-GIN CAP	STRONG-GIN	1	L6 ASCORBIC ACID	27.5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
14	BAG	STRONG-GIN CAP	STRONG-GIN	1	L6 PERIDOXINE HYDROCHLORIDE	0.5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG, D.D. SCHERER CMBH & CO. KG,	GERMANY	1	Whole Product	DHHA
6/	HKROSOS	STRONG-GIN CAP	STRONG-GIN	1		30) mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
n	umbe	ATRONG-GIN CAP	STRONG-GIN	1	16 POTASSIUM IODIDE	0.05	me	1	cansule	Oral	Cansule	NP	K Y LUEN HOP LTD		R P SCHERER GMBH & CO KG	GERMANY	1	Whole Product	DHHA
66	HK30606	STRONG-GIN CAP	STRONG-GIN	1	L6 CALCIUM PANTOTHENATE	30) mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG.	GERMANY	1	Whole Product	DHHA
67	HK30606	STRONG-GIN CAP	STRONG-GIN	1	L6 CALCIUM ASCORBATE	37.5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH4
68	HK30606	STRONG-GIN CAP	STRONG-GIN	1	16 THIAMINE NITRATE	5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
69	HK30606	STRONG-GIN CAP	STRONG-GIN	1	16 CHOLINE BITARTRATE	40) mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH4
70	HK30606	STRONG-GIN CAP	STRONG-GIN	1	16 VITAMIN A	5000) iu	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH4
71	HK30606	Droduct	Proposed	1	16 ROYAL JELLY	10	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHH/
72	HK30505		Thoposed	1	L6 MAGNESIUM SULFATE	30	mg		capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R.P. SCHERER GMBH & CO. KG, D.D. SCHERER GMBH & CO. KG,	GERMANY	1	Whole Product	DHHA
74	HK35265	os Name o 184 FREM	rade Name						. capsure	Introvence	Concentra	DIC1C3	R T LOEN HOP LTD	100 MG / 100 ML 201	FREWE DHADMA GES M R H INF	ALISTRIA	1	Whole Product	DHH/
75	HK35834	GYRABLOCK 400 TAB 400 MG	GYRABLOCK 400		1 NORFLOXAGIN	400	me		ablet	Oral	Tablet	PIS15	3 STAR MEDICAL SUPPL	JES LTD	MEDOCHEMIE LTD	CYPRUS	1	Wholeproduct	DHHA
76	HK36794	ADVANCE NO.1 CREAM	ADVANCE NO.1		4 CLOTRIMAZOLE	1	9 w/w			Topical	Cream	PIS153	3 ADVANCE PHARMACE	EUTICAL COMPANY LIM	ADVANCE PHARMACEUTICAL C	HONG KONG	1	Wholeproduct	DHH4
77	HK36794	ADVANCE NO.1 CREAM	ADVANCE NO.1		4 BETAMETHAS DNE VALERATE	0.1	% w/w			Topical	Cream	PIS153	3 ADVANCE PHARMACE	EUTICAL COMPANY LIM	ADVANCE PHARMACEUTICAL C	HONG KONG	1	Wholeproduct	DHH4
78	HK36794	ADVANCE NO.1 CREAM	ADVANCE NO.1		4 GENTAMICIN SULFATE	0.2	% w/w			Topical	Cream	PIS153	3 ADVANCE PHARMACE	EUTICAL COMPANY LIM	ADVANCE PHARMACEUTICAL C	HONG KONG	1	Wholeproduct	DHH4
79	HK36794	ADVANCE NO.1 CREAM	ADVANCE NO.1	_	4 CLIOQUINOL	1	% w/w	*	_	Topical	Cream	PIS153	3 ADVANCE PHARMACE	EUTICAL COMPANY LIM	ADVANCE PHARMACEUTICAL C	HONG KONG	1	Wholeproduct	DHH4
80	HK37800	BIHAKU TAB	BIHAKU No of oot	ine	5 RIBOFLAVIN	15	m	1	tablet	Oral	Tablet	NP	SATO PHARMACEUTIC	CAL (HK) CO LTD	SATO PHARMACEUTICAL CO., L'	JAPAN	1	Wholeproduct	DHH4
81	HK37800	BIHAKU TAB	BIHAKU INO. OT ACT	live		Stren	igth +	unit	/ uni	U0ral	Tablet	NP	SATO PHARMACEUTIC	CAL (HK) CO LTD	SATO PHARMACEUTICAL CO., L	JAPAN	1	Wholeproduct	DHHA
82	HK37800	BIHAKU TAB	BIHAKU		S PYRIDOXAL PHOSPHATE	10	mg		tablet	Onal	Tablet	NP	SATO PHARMACEUTIC	CAL (HK) CO LTD	SATO PHARMACEUTICAL CO., L'	JAPAN	1	Wholeproduct	DHHA
84	HK37800	BIHAKU TAB	BIHAKU INgreuler		ingreatent	011	neasi	ле т	unit	0 ml	Tablet	NP	SATO PHARMACEUTIC	CAL (HK) CO LTD	SATO PHARMACEUTICAL CO., L	IAPAN	1	Wholeproduct	DHHA
85	HK40369	STAR-MEDIC NATURAL ROSE H	STAR-MEDIC NATURAL ROSE HIPS		Z ASCORBIC ACID	500	me	-	tablet	Oral	Tablet	NP	VIMTECK INTERNATIO	NAL CO	SOMA LABORATOIRES, INC.	U.S.A.	1	Wholeproduct	DHHA
86	HK40369	STAR-MEDIC NATURAL ROSE H	STAR-MEDIC NATURAL ROSE HIPS		2 ROSE HIPS	130) mg	1	tablet	0-	Tablet	NP	VIMTECK INTERNATIO	NAL CO	SOMA LABORATOIRES, INC.	U.S.A.	1	Wholeproduct	DHHA
87	HK40636	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 NICOTINAMIDE	25	mg	1	capsule	0	Capsure	NP	K Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHH4
88	HK40636	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 CYANOCOBALAMIN	1	mcg	1	capsule	prai	Capsule	NP	K Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHHA
89	HK40636	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 PYRIDOXINE HYDROCHLORIDE	0.5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHH4
90	HK40636	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 RIBOFLAVIN	2.5	mg	1	. capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHH4
91	HK40636	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 CALCIUM PANTOTHENATE	1.5	mg	1	capsule	Oral	Capsule	NP	K Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHHA
92	HK40656	BCO + B12 CAP (HEIBUKEN BR.	BCO + B12 (R. P. SCHERER)		7 DRIED YEAST	100	mg		capsule	Oni	Capsule	NP	X Y LUEN HOP LTD		R. P. SCHERER GMBH & CO. KG	GERMANY	1	Whole Product	DHHA
04	HK45554	VITALLIX CAP	VITALLIX		7 ZINC (AS GLUCONATE)	13.5	mg	-	Rout	eor	Capsula	O S(LALCON HONG KONG	ITD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct Wholeproduct	DHHZ
05	HK45554	VITALUX CAP	VITALUX		7 NICOTINAMIDE	10) mg	1	godin	aire	Capsul E		ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHHA
96	HK45554	VITALUX CAP	VITALUX		7 MANGANESE (AS GLUCONATE)	1	mg	1	Capsule	Oral	Capsule	ЧI I	ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHH4
97	HK45554	VITALUX CAP	VITALUX		7 VITAMIN E	10	mg	1	capsule	Oral	Capsule	NP	ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHH4
98	HK45554	VITALUX CAP	VITALUX		7 BETACAROTENE	3	mg	1	capsule	Oral	Capsule	NP	ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHH4
99	HK45554	VITALUX CAP	VITALUX		7 SELENIUM	10) mcg	1	capsule	Oral	Capsule	NP	ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHH4
100	HK45554	VITALUX CAP	VITALUX		7 ASCORBIC ACID	60	mg	1	capsule	Oral	Capsule	NP	ALCON HONG KONG	LTD	LAB CIBA VISION FAURE	FRANCE	1	Wholeproduct	DHHA
101	HK46179	MEDIWELL CODITAN COD LIVE	MEDIWELL CODITAN COD LIVER O		1 COD LIVER OIL	400	mg	1	capsule	Oral	Capsule	NP	DRAGON UNK (INT'L)	TRADING CO LTD	SOFT GEL TECHNOLOGIES INC.	USA	1	Whole Product	
102	HK46181	MEDIWELL DUSTMIN-C SUPER	MEDIWELL DUSTMIN-C SUPER B-C MEDIWELL BUSYMIN-C SUPER B-C	1		26	mg me	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING COLID	WEST COAST LARSING	U.S.A.	1	Whole Product	DHH/
104	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 LIVER CONCENTRATE	100	me	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CONTD	WEST COAST LABS INC.	USA.	1	Whole Product	DHHA
105	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 PANTOTHENIC ACID (AS CALCIUN	10) mg	1	tablet	Oral	Tablet	NP -	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	USA.	1	Whole Product	DHHA
106	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 NICOTINAMIDE	25	mg	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHH4
107	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 LYSINE (AS HYDROCHLORIDE)	20) mg	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CO LTD	west coast Manufa	cturer'	S 1	Whole Product	DHH/
108	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 IRON (AS FERROUS FUMARATE)	18	mg	1	tablet	Oral	gal	NP	Certificat	e ^s Pack	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHH/
109	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 RIBOFLAVIN	20) mg	1	tablet	Oral	Oblet	NP	DRAGON LINK (INT'L)	TRADING COLTD	west coast name +	place of	of 1	Whole Product	DHH4
110	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 THIAMINE HYDROCHLORIDE	100	mg	1	tablet	Oral C	ass	NP	holder	Sizes	WEST COAST LABS INC.	J.S.A.	1	Whole Product	DHH/
112	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	LS ASCORBIC ACID	200	mg	1	tablet	Oni	Tablet	NP	DRAGON LINK (INT'L)	TRADING COLTD	manu	acture	1	Whole Product	DHH/
112	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	IS FOLIC ACID	400	mer	1	tablet	Oral	Tablet	ND	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	USA.	1	Whole Product	DHHZ
114	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	L5 CYANOCOBALAMIN	-00	mce	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHHA
115	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	L5 BIOTIN	5	mcg	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	U.S.A.	5	Whole Product	DHH4
116	HK46181	MEDIWELL BUSYMIN-C SUPER	MEDIWELL BUSYMIN-C SUPER B-C	1	15 PYRIDOXINE HYDROCHLORIDE	2	mg	1	tablet	Oral	Tablet	NP	DRAGON LINK (INT'L)	TRADING CO LTD	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHH4
117	HK46784	LIGNOCAINE HCL INJ 1% (PFIZE	LIGNOCAINE HCL(PFIZER PERTH)		1 LIGNOCAINE HYDROCHLORIDE	500) mg	50) ml	Infiltratio	Solution f	PI	PFIZER CORPORATIO	50 ML / VIAL	PFIZER (PERTH) PTY LIMITED	AUSTRALIA	1	Whole Product	DHH4
118	HK49252	EAST OCEAN BARENA COD LIVE	EAST OCEAN BARENA COD LIVER O	X	1 COD LIVER OIL	270) mg	1	capsule	Oral	Capsule	NP	DRAGON LINK (INT'L)	TRADING CO LTD	MOTHERLAND INTERNATIONAL	U.S.A.	Pr	oducter	DHH4
119	HK49329	DR. WESTLEY'S SOLARMIN COE	DR. WESTLEY'S SOLARMIN COD LIV	/	1 COD LIVER OIL	270) mg	1	capsule	Oral	Capsule	NP	DRAGON LINK (INT'L)	TRADING CO LTD	MOTHERLAND INTERNATIONAL	U.S.A.	1	Whole Product	DHH4
120	HK51535	SUPIROCIN OINTMENT 2%	SUPIROCIN	-	1 MUPIROCIN	2	% w/w			Topical	Ointment	A	NIDOWAY INVESTMEN	NT LTD	GLENMARK PHARMACEUTICAL	INDIA	Com	ponent	DHH4
122	HK52340	CLEAN & CLEAR AGAIN FURE	CLEAN & CLEAR AGAIN	-	1 TEA TREE OIL	100	75 W/W			Topical	Liquid(sol	NP	DRSH HONG KONG L	INITED	IN LEGRIA HEALTHCARE (BALLIN	AUSTRALIA	1	Wholeproduct	DHH/
122	HK53268	OKAY GLYCERIN SLIDD FOD ADI	OKAY GLYCERIN		1 GLYCEROL	0.5	5 w/w % w/w			Rectal	Supposite	NP	MERIKA MED ETV LTD	N CONSUMER (FILING)	PUBLIC PHARM LAB CO LTD	THAILAND		Info	DHH
124	HK57265	CEPHALEXIN STADA CAP 500M	CEPHALEXIN STADA		1 CEFALEXIN	500) mg	1	capsule	Oral	Capsule	A	STADA PHARMACFUT	ICALS (ASIA) LTD	PYMEPHARCO	VIETNAM	1	Wholeproduct	DHH
125	HK57412	ELISCA EAR DROPS 5%	ELISCA		1 CHLORAMPHENICOL	5	5 % w/v	· ·		Otic/ear	Ear drops	A	MEDREICH FAR EAST I	LIMITED	STERICON PHARMA PRIVATE LI	INDIA	1	Wholeproduct	DHH4
126	HK58444	CENTIPLEX-B TAB	CENTIPLEX-B	1	12 THIAMINE HYDROCHLORIDE	90) mg	1	tablet	Oral	Tablet	NP	ALLWAYS (GERMANY)	MEDICINE LTD	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHH4
127	HK58444	CENTIPLEX-B TAB	CENTIPLEX-B	1	12 CALCIUM	95	mg	1	tablet	Oral	Tablet	NP	ALLWAYS (GERMANY)	MEDICINE LTD	WEST COAST LABS INC.	U.S.A.	1	Whole Product	DHH4
128	HK58444	CENTIPLEX-BITAB	CENTIPLEX-B	1	2 IRON (AS FERROUS EUMARATE)	16	me	1	tablet	Oral	Tablet	NP	ALLWAYS (GERMANY)	MEDICINE LTD	WEST COAST LABS INC	1154	1	Whole Product	DHHA



Agreed set of critical data elements

Phase 2 of MTT data preparation – these information collected from the certificate holder will be sent to eHRO on a regular basis (batch processing). eHRISO will review these information and import into the MTT hierarchy via the AMP level.

-	U	V	W	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AM 4
1	Medication Te	erminology Table											
2	HK Reg 🔽	Trade Name 💌	Virtual Therapeutic Moiety (preferred tern 🍸	Route	Dose Form 💌	dose form level extra informatio	Strength 💌	strength level extra information 🍸	legal classification 🍸	Manufacturer	Place of Origin 🖓	Certificate holder 😽	Generic product indicator
1252	53646	Diclomox	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	oral	capsule	(null)	(null)	(null)	A	Bright Future Pharm Factory	Bf Pharm Ctr 8 Wang Fu St, Yuen Long Hong Kong	Bright Future Pharmaceuticals Factory	N
1253	42758	Dimox	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	oral	capsule	(null)	(null)	(null)	A	Quality Pharmaceutical Laboratory Ltd	21/F And Flat A-E, 23/F, Mai On Ind. Bldg., 19-21 Kung Yip Street,	Quality Pharm Lab Ltd	N
1254	42759	Dimox	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	oral	capsule	(null)	(null)	(null)	A	Quality Pharmaceutical Laboratory Ltd	21/F And Flat A-E, 23/F, Mai On Ind. Bldg., 19-21 Kung Yip Street,	Quality Pharm Lab Ltd	N
1255	41181	Amocap	amoxicillin trihydrate	oral	capsule	(null)	250 mg	(null)	A	Advance Pharmaceutical Co., Ltd.	RM A, 2/F - 3/F. TAI PO INDUSTRIAL ESTATE, 12 DAI FU STREET, TAI PO, NT, H.K.	Advance Pharm Co Ltd	N
1256	41476	amoxicillin trihydrate (Christo Guangzhou)	amoxicillin trihydrate	oral	capsule	(null)	500 mg	(null)	A	Christo Pharmaceutical (Panyu Nansha) Co. Ltd.	WEST INDUSTRIAL AREA, NANSHA DEVELOPMENT AREA, GUANGZHOU, CHINA	Christo Pharm Ltd	Y
1257	39747	Vixmin	amovicillin trihydrate	oral	capsule	(null)	500 mg	(null)	A	Vickmans Laboratories Ltd	1 - 4/F, CHINA TRADE CENTRE, 122-124 WAI YIP STREET, KWUN TONG, KIN, H K	Vickmans Lab Ltd	N
1258	41180	Zoramix-F	amoxicillin trihydrate	oral	capsule	(null)	250 mg	(null)	A	Advance Pharmaceutical Co., Ltd.	RM A, 2/F - 3/F. TAI PO INDUSTRIAL ESTATE, 12 DAI FU STREET, TAI PO, NT, H.K.	Advance Pharm Co Ltd	N
1259	36449	Zoramix-F	amoxicillin trihydrate	oral	capsule	(null)	500 mg	(null)	A	Advance Pharmaceutical Co., Ltd.	RM A, 2/F - 3/F. TAI PO INDUSTRIAL ESTATE, 12 DAI FU STREET, TAI PO, NT, H.K.	Advance Pharm Co Ltd	N
1262	54686	amphotericin B (Europharm)	amphotericin B	vaginal	effervescent tablet	(null)	5 mg	(null)	A	Europharm Laboratoires Co Ltd	TAI PO IND. EST., 12-14 DAI WANG ST., TAI PO, N.T., H.K.	Europharm Lab Co Ltd	Y
1267	51064	sodium) + sulbactam (as sodium) (Harbin Pharm)	ampicillin (as sodium) + sulbactam (as sodium)	parenteral	powder for solution for injection and infusion	(null)	750 mg / vial	(null)	A	Pharmaceutical Group Co., Ltd. General Pharm Factory	No. 109 Xuefu Road, Nangang Dist., Harbin, 150086, China	Ceutical Trading Co Ltd	Y
1270	52077	Ampex-500	ampicillin (as trihydrate)	oral	capsule	(null)	500 mg	(null)	A	Quality Pharmaceutical Laboratory Ltd	21/F AND FLAT A-E, 23/F, MAI ON IND. BLDG., 19-21 KUNG YIP STREET, KWAI CHUNG,	Quality Pharm Lab Ltd	N
	26200	Amnicillar							٨	Quality	21/F AND FLAT A-E, 23/F, MALON IND.		

tallprennin (d.

Phase 2 : a manual process - importing data into MTT Initial Data Preparation file

	BC	BH	BJ	BL	BN	BP	BR	BT	
1	νтм	VTM+R	VTM+R+F	VMP	TN	TN+R	TN+R+F	АМР	
2	VTM PT 💽	VTM+R PT	VMT+R+F PT	VMP PT 💽	ТN РТ 💌	TN+R PT	TN+R+F PT	АМР РТ	
1252	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral capsule	trihydrate) 250 mg + dicloxacillin (as sodium) 125 mg oral capsule	Diclomox (amoxicillin (as trihydrate) + dicloxacillin (as sodium))	Diclomox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral	Diclomox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral capsule	Diclomox (amoxicillin (as trihydrate) 250 mg + dicloxacillin (as sodium) 125 mg) oral capsule	
1253	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral capsule	trihydrate) 250 mg + dicloxacillin (as sodium) 125 mg oral capsule	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium))	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral capsule	Dimox (amoxicillin (as trihydrate) 250 mg + dicloxacillin (as sodium) 125 mg) oral capsule	
1254	amoxicillin (as trihydrate) + dicloxacillin (as sodium)	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral	amoxicillin (as trihydrate) + dicloxacillin (as sodium) oral capsule	trihydrate) 250 mg + dicloxacillin (as sodium) 250 mg oral capsule	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium))	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral	Dimox (amoxicillin (as trihydrate) + dicloxacillin (as sodium)) oral capsule	Dimox (amoxicillin (as trihydrate) 250 mg + dicloxacillin (as sodium) 250 mg) oral capsule	
1255	amoxicillin trihydrate	amoxicillin trihydrate oral	amoxicillin trihydrate oral capsule	amoxicill oral ca	xicillin	Amocap (amoxicillin trihydrate) oral	Amocap (amoxicillin trihydrate) oral capsule	Amocap (amoxicillin trihydrate) oral capsule 250	
1256	amoxicillin trihydrate	amoxicillin trihydrate oral	amoxicillin trihydrate oral capsule	amoxi oral ca	drate nou)	amoxicillin trihydrate (Christo Guangzhou) oral	amoxicillin trihydrate (Christo Guangzhou) oral capsule	amoxicillin trihydrate (Chris Guangzhou) oral capsule 500 mg	
1257	amoxicillin trihydrate	amoxicillin trihydrate oral	amoxicillin trihydrate oral capsule	amoxi oral ca		Vixmin (amoxicillin trihydrate) oral	Vixmin (amoxicillin trihydrate) oral capsule	Vixmin (amoxicillin trihydra oral capsule 500 mg	
1258	amoxicillin trihydrate	amoxicillin trihydrate oral	amoxicillin trihydrate oral capsule	amoxicin oral capsule 250 mg	ioxicillin	Zoramix-F (amoxicillin trihydrate) oral	Zoramix-F (amoxicillin trihydrate) oral capsule	Zoramix-F (amoxicillin trihydrate) oral capsule 250	
1259	amoxicillin trihydrate	amoxicillin trihydrate oral	amoxicillin trihydrate oral capsule	amoxicillin trihydrate oral capsule 500 mg	Zoramix-F (amoxicillin trihydrate)	Zoramix-F (amoxicillin trihydrate) oral	Zoramix-F (amoxicillin trihydrate) oral capsule	Zoramix-F (amoxicillin trihydrate) oral capsule 500	
1262	amphotericin B ampicillin (as	amphotericin B vaginal ampicillin (as	amphotericin B vaginal effervescent tablet sulbactam (as sodium)	amphotericin B vaginal effervescent tablet 5 mg sulbactam (as sodium)	amphotericin B (Europharm)	amphotericin B (Europharm) vaginal	amphotericin B (Europharm) vaginal effervescent tablet sulbactam (as sodium)	amphotericin B (Europharm) vaginal effervescent tablet ! mg sulbactam (as sodium) (Hark	
1267	sodium) + sulbactam (as sodium)	sodium) + sulbactam (as sodium) parenteral	parenteral powder for solution for injection and infusion	parenteral powder for solution for injection and infusion 750 mg /	ampicillin (as sodium) + sulbactam (as sodium) (Harbin Pharm)	ampicillin (as sodium) + sulbactam (as sodium) (Harbin Pharm) parenteral	(Harbin Pharm) parenteral powder for solution for injection and	Pharm) parenteral powder f solution for injection and infusion 750 mg / vial	

Phase 2 : a manual process - importing data into MTT Initial Data Preparation file⁰⁰ (ampicillin Ampex-500 (ampicillin (as



For example, product data for HK-44027 from DH: the VTM "amoxicillin (as trihydrate) + clavulanic acid" will "has_active_ingredient" "amoxicillin (as trihydrate)" and "clavulanic acid".



These two ingredients will have their own brand of base ingredients, allergen and cross-sensitivity groupings; VTM, TN and their allergen group(s) are utilised as "Allergen List"



and be made available for use natively in eHR Applications : Structured Alert Adaptation Module (SAAM) for allergy / ADR documentation.



We have also built allergen groupings for selective type of high risk drug groups...

Substance Hierarchy of MTT

Example HK-44027



This example illustrates how allergy checking can be done by navigating the substance branch upstream : the checking system matches the arms of a DOCUMENTED ALLERGEN and the drug name of a PRESCRIBED DRUG – in this case, identical ALLERGEN GROUP was found and this triggers an alert prompt in the decision support system.

Substance Hierarchy of MTT



This example illustrates how allergy checking can be done by navigating the substance branch upstream : the checking system matches the arms of a DOCUMENTED ALLERGEN and the drug name of a PRESCRIBED DRUG – in this case, identical ALLERGEN GROUP was found and this triggers an alert prompt in the decision support system.



Basis of Substance Strength provides information on the amount of EACH active ingredients contained in a product; this information assist healthcare professionals (ie doctors) in making decisions, such as therapeutic switches.



HK-27421

AUGMENTIN FOR IV INJ 1.2G/VIAL



amoxicillin (as sodium) 1 g + clavulanate (as potassium) 200 mg per vial

HK Reg	unit		ingredient	ingredient	ingredien	t unit of ingredient unit of
	a group		💽 💌 strength val	ue 🔄 💌 strength unit	measure 🔨	value 🔄 measure unit 🔄 💽
27421	1 amoxicillin (as sodium)		1	g	1	vial
27421	1 clavulanate (as potassiu	n)	200	mg	1	vial
1						

"TWO tablets of HK-44207 would give 1 g of amoxicillin"...



HK-44027 AUGMENTIN TAB 625MG



amoxicillin (as trihydrate) 500 mg + clavulanate (as potassium) 125 mg Per 1 tablet

HK Reg	unit group -	ingredient ✓ strength value	ingredient strength unit	ingredient unit of • measure value	ingredient unit of measure unit
44027	1 amoxicillin (as trihydrate)	500) mg	1	tablet
44027	1 clavulanate (as potassium)	12	5 mg	1	tablet

Ingredient information will allow us to create product concepts more accurately, and allows eHR viewer to enquire accurate **QUANTITATIVE COMPOSITOIONS** of registered products. With this information, eHR aids clinical decision making.



Agreed set of critical data elements

Phase 2 of MTT data preparation – these information collected from the certificate holder will be sent to eHRO on a regular basis (batch processing). eHRISO will review these information and import into the MTT hierarchy via the AMP level.



Estimated Concept Count in HKMTT



As of January 2013, we have estimated over 89,000 unique pharmaceutical product concepts created, supported by 2542 unique MTT substances, and 838 qualifier concepts.



concepts to SNOMED CT core concepts

Starting This Year!



Content Governance

How to ensure quality and compliance to international standards ?

Editorial Rules v1.0

DG Content Review

Content Committee

Basic principles

- Compliant with standard
- Descriptive enough to allow identification and classification
- Unambiguous
- Concise
- Clinically relevant

Store

We have been referencing...



NHS Dictionary of Medicines and Devices (dm+d) Editorial Policy August 2010 nehta Australian Medicines Terminology (AMT) Editorial Rules June 2009 SNOMED CT Editorial Guidelines May 2008

HKMTT Editorial Rules

Purpose :

Governs how concepts are populated and maintained in MTT

To be **compiled by eHR-ISO** MTT data maintenance officer, and **endorsed by Content Governance Committee**;

Overall status :

Started since :Sep 2010

Version : **V.0.9** Pages : **152**

Chapters : 6 chapters completed:

- 1. Introduction
- 2. HKMTT model
- 3. HKMTT components
- 4. Product Concepts
- 5. Qualifier Concepts
- 6. Appendices (rules and populated qualifier

Hong Kong Medication Terminology Table (HKMTT)

Editorial Rules

[Draft]

Version 0.9 October 2012

Under review by eHR IS Domain Group (Drug Record)

HKMTT Editorial Rules Draft Version 0.8 (as of 31 July 2012)

VMP preferred term - single vs multi-ingredients

drug & route & dose form & strength

Single ingredient product, strength expressed at the end here

drug ₁ strength ₁ + drug ₂ strength ₂ & route & dose form Multi-ingredient product, strength expressed with its ingredient

Multi-ingredient product, strength expressed with its ingredient

Reference: (1) AMT Editorial rules v3.0, 5.3.2.4; (2) dm+d Editorial Policy (p11)

In general :

Single ingredient products : strength to be expressed at the end of the product name

Multiple ingredient products : strength to be expressed in between following its corresponding ingredients (but alternative rules applied as

described in exception cases)

VMP preferred term - single vs multi-ingredients

Ziagen (abacavir (as sulfate)) oral tablet 300 mg

Single ingredient product, strength expressed at the end here

Kivexa (abacavir (as sulfate) 600 mg + lamivudine 300 mg) oral tablet

Multi-ingredient product, strength expressed with its ingredient

Tenoretic (atenolol 100 mg + chlorthalidone 25 mg) oral tablet

Reference: (1) AMT Editorial rules v3.0, 5.3.2.4; (2) dm+d Editorial Policy (p11)

In general :

Single ingredient products : strength to be expressed at the end of the product name

Multiple ingredient products : strength to be expressed in between following its corresponding ingredients (but alternative rules applied as

described in exception cases)







Lantus (insulin glargine) subcutaneous solution for injection





Lantus (insulin glargine) subcutaneous solution for injection

Lantus (insulin glargine) subcutaneous solution for injection



Lantus[®] Idv 000 ti Pen[®] Lantus (insulin glargine) subcutaneous solution for injection



Lantus (insulin glargine) subcutaneous solution for injection 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection 100 international unit / mL (10 mL)

Lantus (insulin glargine) subcutaneous solution for injection 100 international unit / mL (3mL)

<u>Chapter 6.12.2</u>

Chapter 6.12.2









Lantus (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection (pen) 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL)

Lantus (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3mL)

Application/device design will be included in the dosage form level extra information

Chapter 6.12.2



Lantus (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection (pen) 100 international unit / mL (3 mL)

Lantus (insulin glargine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL) To include commercial device specific info as part of the trade name

Lantus for Optipen (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3mL)

1	AMP
2	AMP PT
10750	Lantus (insulin glargine) subcutaneous solution for injecti <mark>on (cartridge) 10</mark> 0 international unit / mL (3 mL)
10751	Lantus (insulin glargine) subcutaneous solution for injection (pen) 1 <mark>0</mark> 0 international unit / mL (3 mL)
10752	Apidra (insulin glulisine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)
10753	Apidra (insulin glulisine) subcutaneous solution for injection (pre-filled pen) 100 international unit / mL (3 mL)
10754	Apidra (insulin glulisine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL)
10755	Actrapid Penfill (Brazil) (insulin soluble human) subcutaneous solution for injection (cartridge) 300 international unit / 3 mL
10756	Protaphane (Brasil) (insulin isophane human) subcutaneous suspension for injection (cartridge) 300 international unit / 3 mL
10757	Scilin (insulin isophane human) parenteral solution for injecti <mark>o</mark> n (vial) 100 international unit / mL (10 mL)
10758	Scilin N (insulin isophane human) parenteral suspension for injec <mark>t</mark> ion (vial) 10 <mark>0 int</mark> ernational unit / mL (10 mL)
10759	Scilin N (insulin isophane human) parenteral suspension for injection (cartridge) 100 international unit / mL (3 mL)
10760	Scilin R (insulin isophane human) parenteral solution for injection (cartridge) 100 international unit / mL (3 mL)
10761	Scilin M30 (insulin isophane human + insulin soluble human) parenteral suspension for injection (cartridge) (70%/30%) 100 international unit / mL (3 mL)
10762	Scilin M30 (insulin isophane human + insulin soluble human) parenteral suspension for injection (vial) (70%/30%) 100 international unit / mL (10 mL)
10763	Humalog 100 KwikPen (insulin lispro) parenteral solution for injection pre-filled pen) 100 unit / 1 mL
10764	Humalog Mix25 KwikPen (insulin lispro + insulin lispro protamine) subcutaneous suspension for injection (pre-filled pen) (25%/75%) 300 unit / 3 mL
10765	Humalog Mix50 KwikPen (insulin lispro + insulin lispro protamine) parenteral solution for injection (pre-filled pen) (50%/50%) 100 unit / 1 mL (3 mL)
10766	Mixtard 30 (Brasil) (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (cartridge) (70%/30%) 100 international unit / 1 r
17581	NovoRapid (insulin aspart) subcutaneous solution for injection (cartridge 100 international unit / mL (3 mL)
17582	NovoRapid FlexPen (insulin aspart) parenteral solution for injection (pen) 100 international unit / mL (3 mL)
17583	NovoMix 30 FlexPen (insulin aspart + insulin aspart protamine crystallised) subcutaneous suspension for injection (pre-filled pen) 30%/70%) 100 internation
17584	Levemir FlexPen (insulin detemir) subcutaneous solution for injection (pen) 100 international unit / mL (3 mL)
17585	Lantus (insulin glargine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL)
17586	Lantus for Optipen (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3mL)
17587	Lantus Solostar (insulin glargine) subcutaneous solution for injection (pre-filled pen) 100 international unit / mL (3 mL)
17588	Protaphane HM (insulin isophane human) subcutaneous suspension for injection (vial) 100 international unit / mL (10 mL)
17589	Humulin N (insulin isophane human) subcutaneous suspension for injection (vial) 100 international unit / mL (10 mL)
17590	Humulin N (insulin isophane human) subcutaneous suspension for injection (cartridge) 100 international unit / mL (3 mL)
17591	Protaphane HM (insulin isophane human) subcutaneous suspension for injection (cartridge) 100 international unit / mL (3 mL)
17592	Mixtard 30 HM (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (vial) (70%/30%) 100 international unit / mL (10 mL)
17593	Mixtard 30 HM (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (cartridge) (70%/30%) 100 international unit / mL (3
17594	Humulin 70/30 (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (vial) (70%/30%) 100 international unit / mL (10 mL)
17595	Humulin 70/30 (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (cartridge) (70%/30%) 100 international unit / mL (3

Editorial Rule provide framework for consistent naming of products, allowing unambiguous naming whilst clinically intuitive.



Sind 5 x 3 ml cartridges Humalog Mix25 to unit cartridge Augementor for inertific cartridge Provide to generation provide to gene



Humalog Mix50 50 % insulin lispro 50 % protamine insulin lispro



Humulin 70/30 70 % insulin isophane suspension 30 % insulin soluble

Humalog Mix25 25 % insulin lispro 75 % protamine insulin lispro

Mixtard 30 70 % insulin isophane 30 % soluble insulin NovoMix 30 30 % insulin aspart 70 % protamine-crystalised insulin aspart

NovoMix[®] 30 Penfill[®]

uspension for injection in cartridge

Penfill® cartridges for use with Novo Nordisk insulin devices Store at 2°C - 8°C (in a refrigerator

tesuspend according to instru tead package leaflet before us tovoMix® 30 Penfill® is for use

100 U/ml 5×3 ml



Adapted from product label information approved by the Food and Drug Administration.

HK-27421

6.2 - 7.8 mmol/l

7.9 - 10 mmol/l

> 10 mmol/l

Need to indicate the ratio 30%/70%

1. What NovoMix 30 is and what it is used for

NovoMix 30 is a modern insulin (insulin analogue) with both a rapid–acting and an intermediate– acting effect, in the ratio 30/70. Modern insulin products are improved versions of human insulin_



+ 2 U

+ 4 U

+ 6 U

The lowest of three previous days' pre-meal levels should be used. The dose should not be increased if hypoglycaemia

111 – 140 mg/dl

141 – 180 mg/dl

> 180 mg/dl

Chapter 6.12.2

Bit Status Bit Status</t

Show the total amount of(combined rapid- and intermediate-acting) insulin to allow better description

HK-52604 NovoMix 30 FlexPen (insulin aspart + insulin aspart protamine-crystalised) subcutaneous syspension for injection (pen) (30%/70%) 100 international unit / mL (3 mL)

What NovoMix 30 is and what it is used for

NovoMix 30 is a modern insulin (insulin analogue) with both a rapid-acting and an intermediateacting effect, in the ratio 30/70. Modern insulin products are improved versions of human insulin.

This information helps prescriber

to distinguish the proportion of

rapid/intermediate/long insulins

contained in a single product

1.

For multiple ingredient preparations, the combined overall strength (units per mL) of the multi-ingredient insulin preparations remain clinically significant as the ratios of the different insulin ingredients are standardized and the drugs are prescribed in terms of the combined strength; whereas the ratio of the ingredients remains a clinically important information. Therefore the strength expression for these multi-ingredient insulin preparations is modified to suit both purposes.

X	MTT PROD	UCTS MASTER	- Microsoft Excel
	_		

	BT	
1	AMP	
2	AMP PT	
10750	Lantus (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)	
10751	Lantus (insulin glargine) subcutaneous solution for injection (pen) 100 international unit / mL (3 mL)	
10752	Apidra (insulin glulisine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)	
10753	Apidra (insulin glulisine) subcutaneous solution for injection (pre-filled pen) 100 international unit / mL (3 mL)	
10754	Apidra (insulin glulisine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL)	
10755	Actrapid Penfill (Brazil) (insulin soluble human) subcutaneous solution for injection (cartridge) 300 international unit / 3 mL	
10756	Protaphane (Brasil) (insulin isophane human) subcutaneous suspension for injection (cartridge) 300 international unit / 3 mL	
10757	Scilin (insulin isophane human) parenteral solution for injection (vial) 100 international unit / mL (10 mL)	
10758	Scilin N (insulin isophane human) parenteral suspension for injection (vial) 100 international unit / mL (10 mL)	
10759	Scilin N (insulin isophane human) parenteral suspension for injection (cartridge) 100 international unit / mL (3 mL)	
10760	Scilin R (insulin isophane human) parenteral solution for injection (cartridge) 100 international unit / mL (3 mL)	
10761	Scilin M30 (insulin isophane human + insulin soluble human) parenteral suspension for injection (cartridge) (70%/30%) 100 international unit / mL (3 mL)	
10762	Scilin M30 (insulin isophane human + insulin soluble human) parenteral suspension for injection (vial) (70%/30%) 100 international unit / mL (10 mL)	
10763	Humalog 100 KwikPen (insulin lispro) parenteral solution for injection (pre-filled pen) 100 unit / 1 mL	
10764	Humalog Mix25 KwikPen (insulin lispro + insulin lispro protamine) subcutaneous suspension for injection (pre-filled per) (25%/75%) 300 unit / 3 mL	
10765	Humalog Mix50 KwikPen (insulin lispro + insulin lispro protamine) parenteral solution for injection (pre-filled pen) (50%/50%) 100 unit / 1 mL 3 mL)	
10766	Mixtard 30 (Brasil) (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (cartridge) (70%/30%) 100 international unit / 1 r	
17581	NovoRapid (insulin aspart) subcutaneous solution for injection (cartridge) 100 international unit / mL (3 mL)	
17582	NovoRapid FlexPen (insulin aspart) parenteral solution for injection (pen) 100 international unit / mL (3 mL)	
17583	NovoMix 30 FlexPen (insulin aspart + insulin aspart protamine crystallised) subcutaneous suspension for injection (pre-filled pen) (30%/70%) 100 internation	
17584	Levemir FlexPen (insulin detemir) subcutaneous solution for injection (pen) 100 international unit / mL (3 mL)	
17585	Lantus (insulin glargine) subcutaneous solution for injection (vial) 100 international unit / mL (10 mL)	
17586	Lantus for Optipen (insulin glargine) subcutaneous solution for injection (cartridge) 100 international unit / mL (3mL)	
17587	Lantus Solostar (insulin glargine) subcutaneous solution for injection (pre-filled pen) 100 international unit / mL (3 mL)	
17588	Protaphane HM (insulin isophane human) subcutaneous suspension for injection (vial) 100 international unit / mL (10 mL)	
17589	Humulin N (insulin isophane human) subcutaneous suspension for injection (vial) 100 international unit / mL (10 mL)	=
17590	Humulin N (insulin isophane human) subcutaneous suspension for injection (cartridge) 100 international unit / mL (3 mL)	
17591	Protaphane HM (insulin isophane human) subcutaneous suspension for injection (cartridge) 100 international unit / mL (3 mL)	
17592	Mixtard 30 HM (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (vial) (70%/30%) 100 international unit / mL (10 mL)	
17593	Mixtard 30 HM (insulin isophane human + insulin soluble human) subcutaneous suspension for injection (cart idge) (70%/30%) 100 international unit / mL (3	
47504		e 11

Editorial Rule provide framework for consistent naming of products, allowing unambiguous naming whilst clinically intuitive.

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Schedule of MTT Editorial Rules Releases



We are now moving towards draft version 1.0 in January 2013.



Hong Kong Medication Terminology Table (HKMTT)

Editorial Rules

Version 1.0

January 2013

eHR Information Standards Office

Version 1.0

Jan 2013





DH Drug Compendium data structure and content will be ready by 2013 – all future MTT concept should be initiated by a newly registered product on the Drug Compendium.



Technical Interface Specification for Data Interface for Registered Pharmaceutical Products for Hong Kong Medication Terminology Table



Technical Interface Specification

For

Data Interface for Registered Pharmaceutical Products for Hong Kong Medication Terminology Table

[P01]

Version 1.6

Dec 2012 The Government of the Hong Kong Special Administrative Region

Page 1 of 55

Message Content Element Definition

Tag	Data Type	Cardinality	Element Name	Fields	Remarks
<drugs></drugs>		11	List of Drug products		
<batch_id></batch_id>	Numeric(10,0)	11	Batch ID	Unique identifier for message data	
<drug></drug>		1*	Each Drug Product	Define each registered drug product	
<hk_reg_no></hk_reg_no>	String (10)	11	Hong Kong Registration No	НК########	HK + 5 digits and pad with 3 spaces
<hk_reg_no_check_digit></hk_reg_no_check_digit>	String(1)	11	Check Digit		
<product_name></product_name>	String(500)	11	Product Name		
<proposed_trade_name></proposed_trade_name>	String(500)	11	Proposed Trade Name		
<ingredients> <no_of_unit_group> <unit_groups> <unit_groups></unit_groups></unit_groups></no_of_unit_group></ingredients>	Numeric(3,0) Numeric(3,0)	1*	List of Ingredients No. of unit group Unit Group No		
<route_of_admin></route_of_admin>	String(200)	1*	List of Route of Admin		
<pre></pre>	String(200)	1*	List of Dose Form		
<no_of_active_ingredient></no_of_active_ingredient>	Numeric(3,0)	1*	N eHR Of Target completion Architect	ffice etion 2013 ture Management System (IAMS)	
<ingredient> <active_ingredient> <strength_measure_value> <strength_measure_unit> <strength_dose_value> <strength_dose_unit></strength_dose_unit></strength_dose_value></strength_measure_unit></strength_measure_value></active_ingredient></ingredient>	String(1000) String(100) String(100) String(100) Numeric(15,3)	1*	Li Certificate holder In Si Si D		MTT Concepts table System create concepts and concepts an
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<pack_sizes> <pack_size></pack_size></pack_sizes>	String(10)	1*	Li	MTT Inbox	U.
<manufacturer> <name_of_manufacturer> <address_of_manufacturer></address_of_manufacturer></name_of_manufacturer></manufacturer>	String(20)	11	M in manufacturar Address of		

In the longer run, we are building a technical interface to automate this process – above shows a inalised DH to eHR data interface specifications

5.3 COMMUNICATION CHANNEL

5.3.1 COMMUNICATION PROTOCOL

In order to ensure the secured and guaranteed delivery gateway for external communication with the eHR Core, SFTP will be used.

To support small to large volume of data, the SFTP approach will be adopted for uploading messages in scheduled fashion. The message will be protected in transportation level and only pre-registered parties should be able to access this SFTP.

For the project with DH, GNET Connection will be used.

There are two modes to XML message sharing: SFTP get and SFTP put. Please refer the following two figures.







eHR-IAMS hosts HKMTT



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	21/08/20	12 10:22:46		24658	Augmentir trihydrate) (as potassi powder fo mg / 5 mL	n (amoxicillin (as) + clavulanate ium)) oral r syrup 156.25	Augmentin		Active	21/08/2012 1	24658	1	Change	
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Sigma Pharmaceutical Pty Ltd

Manufacturer

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HKMTT Product Hierarchy



Pre-defined system logic to set up concept attributes, relationships and resulting in product hierarchy.

Submission Search Result

Concept Preview

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System detects pre-existing parent concepts, and SNOMED mapping

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]	09	Active	600010	amox clavu	kicillin (as trihydrate + lanate (as potassium)	amoxicill clavulana	in (as trihydrate) - ate (as potassium)	+ 8951900	5 I I	n use	20/02/2012 16:10:22	ge
]	09	Active	600011	amox clavu	kicillin (as trihydrate + lanate (as potassium)	amoxicill oral clavulana	in (as trihydrate) - ate (as potassium)	+ 39225100 oral	08 li	n use	20/02/2012 16:10:22	je
		Active	600012	amox clavu table	kicillin (as trihydrate + lanate (as potassium) t	amoxicill oral clavulana tablet	in (as trihydrate) - ate (as potassium)	+ oral				
		Active	600013	amox mg + 125 n	kicillin (as trihydrate) 2 clavulanate (as potass ng oral tablet	50 amoxicill ium) clavulana tablet 37	in (as trihydrate) [.] ate (as potassium) 5 mg	+ oral				
		Active	600014	Augn trihyo potas	nentin (amoxicillin (as drate) + clavulanate (a ssium))	Augmen s trihydrat potassiu	tin (amoxicillin (as e) + clavulanate (a m))	n/a as			, ,	
4	4	Active	600015	Augn trihyo potas	nentin (amoxicillin (as drate) + clavulanate (a ssium)) oral	Augmen s trihydrat potassiu	tin (amoxicillin (as e) + clavulanate (a m)) oral	n/a as			. and provide facility SNOMED CT mappi	r for ng
	06	Active	600016	Augn trihyo potas	nentin (amoxicillin (as drate) + clavulanate (a ssium)) oral tablet	Augment s trihydrat potassiu	tin (amoxicillin (as e) + clavulanate (a m)) oral tablet	n/a as				nplate -
HK Nu Pr	Cc mt odi	Active	600017	Augn trihyo (as po table	nentin (amoxicillin (as drate) 250 mg + clavula otassium) 125 mg) ora t	Augment anate trihydrat I potassiu	tin (amoxicillin (as æ) + clavulanate (a m)) oral tablet 375	n/a as 5 mg	_			
Pri	opk me II								Pharmaceutical Companies / Manufacturers / Certificate holders			E
U	nit Group	Route	Dose Form		Ingredient	Ingredient Str.	Strength U	Measure	in the second seco	11/2		
1		intravenouss	solution for	infusio	glucose glucoses							
										Pharmaceutic Pharmaceutic Under Deve Trial run: Ju Production La	or registered Brodiots Iopoment ee 2013 archi 2014	

Entity - Concept - Form - Code Generation - Report - Subset - Account - CPP Interface -

Pre-defined system logic to set up concept attributes, relationships and resulting in product hierarchy.







Implementing HKMTT



Medication Incorporation Nascent Application

Import N	lew E	Enquiry/Update	Unit	Form	Route	Site	Freq	Form Route Mapping	Route Site Mapping	VTM Ingredient Mapping	Export
VTM I	ngre	dient Mappi	ing								
	🥖 amm	onium chionae + c	люгрпеі	анине так	eale						Туре
Þ	🧐 amm	onium chloride + d	hlorpher	namine mal	eate + code	eine phos	phate + ep	hedrine hydrochloride			VTM
Þ	🧊 amm	onium chloride + c	hlorpher	namine mal	eate + sodi	um citrate	;				VTM
Þ	🧐 amm	onium chloride + d	diphenhy	dramine hy	drochloride						VTM
Þ	🧐 amm	onium chloride + d	diphenhy	dramine hy	drochloride	+ sodiur	n citrate				VTM
▶ (🧐 amm	onium chloride + l	iquorice	liquid extrac	t + senega	liquid ex	tract + squ	ill liquid extract			VTM
▶ (🧐 amor	rolfine (as hydroch	nloride)								VTM
4 🥡	📁 amox	kicillin (as sodium)	+ clavula	anate (as p	otassium)						VTM
	a 🂋 a	amoxicillin (as sodi	um)								Active
	4 🌾	📁 amoxicillin									Base
		a 💋 penicillins									Allergen
		🧔 beta lac	tam antil	piotics							Sensitive
	4 🂋 c	lavulanate (as pol	tassium)								Active
	V.	📁 clavulanic acid									Base
▶ (🧐 amox	kicillin (as trihydrat	te)								VTM
▶ (📁 amox	kicillin (as trihydrat	te) + clav	ulanate (as	potassium)					VTM
▶ (📁 amph	hotericin B									VTM
▶ (🧐 ampt	hotericin B (as lipo	somal)								VTM
▶ (🧐 ampi	cillin (as sodium)									VTM
Þ	🧐 ampi	cillin (as sodium) -	+ sulbact	am (as sod	ium)						VTM 🗸

🖉 Structured Alert Module - Windows Internet Explo	rer			
	ов: 2	Age:	Ward: Hospit	al No.: UH
Allergy / Adverse Drug Reaction / A	Alert			
Allergy 🕫	Add	New Allergy Details		
	A	llergen / Allergen Group:	amox	Multiple-Ingredients
			amoxicillin (as trihydrate)	Jucis
			Amoxigran (amoxicillin (as trihydrate))	
			amoxycillin (as trihydrate) (amoxicillin (as trihydra	ite))
			tamoxifen (as citrate)	
			APO-Amoxi (amoxicillin (as trihydrate))	
			AP I - Amoxycillin (amoxicillin (as trihydrate))	
-			(as potassium))	anate
Adverse Drug Reaction 🖗	Add		Ospamox (amoxicillin (as trihydrate))	
	^		Vigamox (moxifloxacin (as hydrochloride))	
Alert	Add			

And be made available for use natively in eHR Applications : Structured Alert Adaptation Module (SAAM).

🖉 MOE Module - Windows	Internet Explorer							
F HKIC: U	(DOB: 2	Age:	Ward:	Hospital No.: UH1			
Medication Order	Entry		Order Date: 18-Jan-2013					
Display 🎽	Allergy: (1) Acert	til (perindopril tertbutylamine) (2)	aspirin Alert: HLA-B*1502 Negative)		Update		
Drug Name / Set:	augm				Adult	~		
Prescription	Augmentin (amo	oxicillin (as sodium) + clavulanate (as potassium)) intravenous powder fo	r solution for injection and infusion 1.2 g / vial				
	🚽 Augmentin (a	amoxicillin (as trihydrate) + clavulan	ate (as potassium)) oral powder for sy	rup 156.25 mg / 5 mL				
	10 mL — 1	TDS — oral		\searrow				
	Augmentin (amo	oxicillin (as trihydrate) + clavulanate	(as potassium)) oral tablet 375 mg	• •				
	augm (Free Tex	xt)						

The eHR Viewer (Prescribing History)



This is what it will look like on the eHR Record Note: this is a only a mock-up, future eHR viewer may look different.



Implementing HKMTT : Native use or map local data to HKMTT

🖉 eve-home - ehr.gov.hk - Windows Internet Explorer

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				Offline HKCTT	HKCTT for O
				Version	Release Date
		<u>d</u>	Download	2012.12.18.A	18-Dec-2012
		d	Download	2012.11.18.A	18-Nov-2012
		d	Download	2012.10.18.A	18-Oct-2012
					нкстт
			Nature	Version	Release Date
	Full List HA List eHR List		All	2012.12.18.A	18-Dec-2012
	Full List HA List eHR List		DxPx	2012.12.18.A	
	Full List HA List eHR List		All	2012.11.18.A	18-Nov-2012
	Full List HA List eHR List		DxPx	2012.11.18.A	
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Implementing HKMTT : Native use or Mapping to HKMTT





Editorial Rules v1.0

ATT via DC-MTT C

DG Content Review

Content Committee





"Updates on Drug Records on Electronic Health Record (eHR) System" 23 Jan 2013



Work done on the development of Hong Kong Medication Terminology Table

Johnny WONG

Pharmacist

eHR Information Standards Office / Chief Pharmacist's Office, Hospital Authority