

**DRUG PLASMA LEVEL QUANTIFICATION BY LC-MS/MS | CATALOGUE 2021**Prof. Laurent Decosterd, Dr Eva Choong, Emails: [LaurentArthur.Decosterd@chuv.ch](mailto:LaurentArthur.Decosterd@chuv.ch) or [Eva.Choong@chuv.ch](mailto:Eva.Choong@chuv.ch)In case of **TDM clinical interpretation**: supplement 3.60 CHF / min (Tarmed 00.0141)Dr Pascal André, Email: [Pascal.Andre@chuv.ch](mailto:Pascal.Andre@chuv.ch), Tel: 021 314 25 00 or 021 314 14 04

Drugs	Trademark (examples)	TDM (1)	Drugs	Trademark (examples)	TDM (1)
<b>ANTIRETROVIRALS (LA 1084, pts 160) - Analyses twice a week</b>					
Abacavir	Ziagen, Triumeq, Trizivir	B	Fosamprenavir	Telzir	B
Amprenavir	Agenerase	B	<i>Fostemsavir/Temsavir</i>	.	D
Atazanavir	Reyataz	B	Lamivudine	in Triumeq, Trizivir	B
Bictegravir	Biktarvy	B	Lopinavir	Kaletra	C
Cabotegravir	Vocabria	C	Maraviroc	Celsenti	B
Cobicistat	Tybost <sup>(2)</sup>	C	Nevirapine	Viramune	B
Darunavir	Prezista	B	Raltegravir	Isentress	B
Dolutegravir	Tivicay, in Triumeq	B	Rilpivirine	Edurant, Rekambys	C
Doravirine	Pifeltro, in Delstrigo	C	Ritonavir	Norvir <sup>(2)</sup>	B
Efavirenz	Stocrin	A	Saquinavir	Invirase	C
Elvitegravir	Stribild	B	Tenofovir	Viread, in Descovy, in Eviplera	B
Emtricitabine	Emtriva, in Descovy	C	Tipranavir	Aptivus	C
Etravirine	Intelence	B	Zidovudine	Retrovir, in Combivir	D

<b>ANTIVIRALS (LA 1084, pts 160) - Analyses twice a week</b>					
Aciclovir	Zovirax	B	Valaciclovir	Valtrex	B
Ganciclovir	Cymevene	B	Valganciclovir	Valcyte	B
Letermovir	Prevymis	C			

<b>ANTI-HCV DRUGS (Hepatitis C; LA 1084, pts 160) - Analyses once a week<sup>(3)</sup></b>					
Daclatasvir	Daklinza	D	Sofosbuvir (+ GS-331007)	Sovaldi	D
Ribavirine	Copegus, Rebetol	B	Velpatasvir	in Epclusa	D

<b>ANTIEPILEPTICS (LA 1069, pts 140) - Analyses every working day</b>					
Brivaracetam	Briviact	C	Levetiracetam	Keppra	B
Carbamazepine	Tegretol	B	Oxcarbazepine (i.e OH-Oxcarbazepine)	Trileptal	B
	(& metabolites: Carbamazepine-epoxide, OH-Oxcarbazepine)	D	Perampanel	Fycompa	C
<i>Clobazam</i>	<i>Urbanyl</i>	C	Pregabalin	Lyrica	C
<i>Clonazepam</i>	<i>Rivotril</i>	C	Rufinamide	Inovelon	C
<i>Ethosuximide</i>	<i>Petnimid</i>	C	Topiramate	Topamax	C
Gabapentine	Neurotin	C	Sultiame	Ospolot	C
Lacosamide	Vimpat	B	Valproate <sup>(4)</sup>	Depakine	A
Lamotrigine	Lamictal	C	Zonisamide	Zonegran	C

<b>TARGETED ANTICANCER DRUGS (LA 1772, pts 140) - Analyses once a week</b>					
<i>Abemaciclib</i>	<i>Verzenio</i>	C	Nilotinib	Tasigna	C
<i>Alpelisib</i>	<i>Piqray ou BYL719</i>	C	<i>Olaparib</i>	<i>Lynparza</i>	C
<i>Asciminib</i>	.	C	<i>Osimertinib</i>	<i>Tagrisso</i>	C
<i>Axitinib</i>	<i>Inlyta</i>	C	Palbociclib	Ibrance	D
Bosutinib	Bosulif	C	Pazopanib	Votrient	D
Cobimetinib	Cotellic	D	Ponatinib	Iclusig	C
Dabrafenib	Tafinlar	D	Regorafenib (+ M2,M5)	Stivarga	D
Dasatinib	Sprycel	C	<i>Ruxolitinib</i>	.	D
Erlotinib	Tarceva	C	Sorafenib	Nexavar	C
Gefitinib	Iressa	D	Sunitinib	Sutent	D
<i>Ibrutinib</i>	<i>Imbruvica</i>	C	Tamoxifen / Endoxifen	Tamoxifen	B
Imatinib	Glivec	A	Trametinib	Mekinist	D
Lapatinib	Tyverb	C	Vemurafenib	Zelboraf	D

<b>IMMUNOSUPPRESSIVE AGENTS (LA 1469 pts 150) AND CYTOSTATICS (LA 1772, pts 140)- Analyses once a week</b>					
Mycophenolate (+ MPAG, AcMPAG)	CellCept, Myfortic	C	6-Mercaptopurine (6-TGN, 6-MMP)	Puri-Nethol, Xaluprine	C
Azathioprine (6-TGN, 6-MMP)	Imurek	C	6-Thioguanine (6-TGN)	Lanvis	C
			<i>Thiopurine S-methyltransferase (TPMT) activity</i>		C

**MATERIAL FOR ALL ANALYSES : 2.6ml K-EDTA tube**All pre-analytical information on : [www.chuv.ch/analyses](http://www.chuv.ch/analyses)



Drugs	Trademark (examples)	TDM (1)	Drugs	Trademark (examples)	TDM (1)
<b>ANTIBIOTICS (LA 1061, pts 185) - Analyses every working day</b>					
Amoxicillin	Clamoxyl	B	Ertapenem	Invanz	B
Azithromycine	Zithromax	C	Erythromycine		C
Cefazolin	Kefzol	C	Flucloxacillin	Floxapen	B
Cefepime	Maxipime	A	Fosfomycin	Monuril	C
Ceftaroline	Zinforo	D	Hydroxychloroquine	Plaquenil	C
Ceftazidime	Fortam	B	Imipenem (+ Cilastatin)	Tienam	B
Ceftobiprole	Zevtera	D	Levofloxacin	Tavanic	C
Ceftolozane (+ Tazobactam)	Zerbaxa	D	Linezolid	Zyvoxid	C
Ceftriaxone	Rocephine	B	Meropenem	Meronem	B
Cefuroxime	Zinat	C	Métronidazole	Flagyl	C
Ciprofloxacin	Ciproxine	C	Moxifloxacin	Avalox	C
Clarithromycine	Klacid	C	Penicillin G (= benzylpenicillin)	«Grünenthal»	C
Clindamycin	Dalacin	C	Piperacillin (+ Tazobactam)	Tazobac	B
Colistin (+ Colistin methanesulfonate)	Colimycine	B	Rifampicin	Rimactan	C
Daptomycin	Cubicin	B	Tigecyclin	Tygacil	C
Doxycyclin	Vibramycin	C	Trimethoprim-Sulfamethoxazole	Bactrim	D

<b>ANTIFUNGAL DRUGS (LA 1077, pts 160) - Analyses twice a week</b>					
Anidulafungin	Eraxis	B	Itraconazole / Hydroxy-itraconazole	Sporanox	B
Caspofungin	Cancidas	B	Posaconazole	Noxafil	B
Fluconazole	Diflucan	B	Voriconazole (+ Voriconazole-NO)	Vfend	A
Isavuconazole	Cresemba	C			

<b>ANTITUBERCULOSIS DRUGS (LA 1061, pts 185) - Analyses once a week</b>					
Bedaquiline	Sirturo (Germany)	C	Moxifloxacin	Avalox	C
Cycloserine		C	Pretomanide		C
Clofazimine	Lamprene	C	Pyrazinamide	in Rimstar	B
Delamanid (+ metabolite DM6705)	Deltyba (Germany)	C	Rifabutine	Mycobutin	C
Ethambutol	in Rimstar, Myambutol	B	Rifampicin	Rimactan	B
Isoniazid (+ acetyl-isoniazid)	in Rimstar, Rimactazid	B	Rifapentine	Priftin (USA)	C
Levofloxacin	Tavanic	C	Streptomycine		C
Linezolid	Zyvoxid	C	Sutezolid		C

<b>ANTIMALARIAL DRUGS (LA 1072, pts 140) - Analyses on demand</b>					
Amodiaquine/Desethyl-amodiaquine		C	Piperaquine		C
Artemether/Dihydroartemisinin (DHA)	in Riamet <sup>(5)</sup>	C	Pyrimethamine	Daraprim <sup>(5)</sup>	C
Artesunate/Dihydroartemisinin (DHA)		C	Pyronaridine		C
Chloroquine	Nivaquine <sup>(5)</sup>	C	Quinine	«Streuli, Bichsel» <sup>(5)</sup>	C
Lumefantrine/Desbutyl-lumefantrine	in Riamet <sup>(5)</sup>	C	Sulfadoxine		C
Mefloquine	Lariam	C	Hydroxychloroquine: see Antibiotics		C

<b>OTHERS</b>					
Amiodarone	Cordarone	D	Sinistrine (by LC-EC)	Inutest <sup>(5)</sup>	D
Para-aminohippuric acid / N-Acetyl-para-aminohippurate (by LC-UV) <sup>(5)</sup>		D	N-Methyl-Nicotinamide <sup>(5)</sup>		D

**MATERIAL FOR ALL ANALYSES : 2.6ml K-EDTA tube****All pre-analytical information on: [www.chuv.ch/analyses](http://www.chuv.ch/analyses)***In gray italic: in development, please contact the laboratory for further details.*

In parentheses, the quantification of the mentioned metabolite(s) or the pharmacokinetic booster is provided (at no cost).

(1) Availability of clinical interpretation (by decreasing relevance):

**A.** TDM is highly recommended and reference intervals are well defined. **B.** TDM can be performed and reference intervals are available. **C.** There is no clear target interval and TDM interpretation is limited to pharmacokinetic plausibility. **D.** There are neither target intervals nor reliable population pharmacokinetic data. No interpretation can be done.

(2) Results provided at no cost if used as a PI-booster. Courtesy of the laboratory.

(3) Development of the quantification of new generation anti-HCV drugs (Elbasvir, Glecaprevir, Grazoprevir, Ledipasvir, Pibrentasvir, Voxilaprevir): on demand

(4) Only analysed in association with other antiepileptics. Otherwise, please contact Laboratory of Clinical Chemistry CCL (Formular n°13)

(5) The patient should be informed that the analyse is not within LA list and generally not covered by health insurance