

*Expertisecentrum Farmacogenetica*

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**catharina**  
een santeon ziekenhuis

## Aanvraagformulier **Farmacogenetica**

### **PATIENT**

Naam patiënt: \_\_\_\_\_

Geboorte datum: \_\_\_\_\_

Adres: \_\_\_\_\_

Postcode: \_\_\_\_\_ Plaats: \_\_\_\_\_

BSN: \_\_\_\_\_

Uw patiëntennummer: \_\_\_\_\_

Verzekeraar: \_\_\_\_\_

Polisnummer: \_\_\_\_\_

Huisarts: \_\_\_\_\_

### **AANVRAGEND ARTS**

Arts: \_\_\_\_\_

Instelling: \_\_\_\_\_

Afdeling: \_\_\_\_\_

Adres: \_\_\_\_\_

Postcode: \_\_\_\_\_ Plaats: \_\_\_\_\_

Telefoon: \_\_\_\_\_ Sein: \_\_\_\_\_

Email: \_\_\_\_\_

Afname datum: \_\_\_\_\_

### **Anamnese:**

Indicatie: \_\_\_\_\_

Geneesmiddel: \_\_\_\_\_

Co-medicatie: \_\_\_\_\_

Dosering: \_\_\_\_\_

Bloedspiegel: \_\_\_\_\_ top/dal

Reden aanvraag (*geen effect, bijwerkingen, afwijkende bloedspiegel, vooraf aan therapie*):

Wilt u dat wij voor u de juiste bepalingen selecteren bij uw vraagstelling?

ja / nee

### **Bepaling(zie tabel z.o.z.)**

☐ CYP1A2

☐ UGT1A1

☐ TPMT

☐ CYP2A6

☐ UGT1A6<sup>1</sup>

☐ NUDT15

☐ CYP2B6

☐ UGT1A7<sup>1</sup>

☐ SLCO1B1

☐ CYP2C8

☐ UGT1A9<sup>1</sup>

☐ ABCB1<sup>1</sup>

☐ CYP2C9

☐ UGT2B7

☐ ABCG2<sup>1</sup>

☐ CYP2C19

☐ UGT2B15

☐ CYP2D6

☐ CES1A1<sup>1</sup>

☐ HLA-B\*5701

☐ CYP2E1

☐ NAT2

☐ HLA-B\*5801<sup>1</sup>

☐ CYP3A4

☐ VKORC1, coumarinegevoeligheid

☐ HLA-A\*3101<sup>1</sup>

☐ CYP3A5

☐ DPyD

☐ HLA-B\*1502<sup>1</sup>

<sup>1</sup> valt nog niet onder de iso-accreditatie

**Verzendadres:** Catharina Ziekenhuis, Algemeen Klinisch Laboratorium, Postbus 1350, 5602 ZA, Eindhoven.

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### Afname- en verzendcondities:

Afname: 1 buis EDTA volbloed of 1 Oragene speekselafname (op aanvraag)  
 Bewaren: maximaal 5 dagen bij 4 °C kamertemperatuur  
 verzenden: kamertemperatuur kamertemperatuur  
 Verzendadres: Catharina Ziekenhuis, Algemeen Klinisch Laboratorium, Postbus 1350, 5602 ZA, Eindhoven

### Eventuele opmerkingen:

| OVERIGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| BCHE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | mivacurium<br>suxamethonium<br>articaïne<br>cocaine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ticagrelor<br>tramadol<br>trazodon<br>venlafaxine<br>verapamil<br>vincristine<br>voriconazol<br>vortioxetine<br>zolidem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MTHFR<br>methotrexaat<br>SLCO1B1<br>simvastatine<br>atorvastatine<br>methotrexaat |
| DPVD<br>5-FU **<br>capecitabine **<br>tegafur **                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | TPMT / NUDT15<br>azathioprine **<br>mercaptopurine **<br>tioguanine **            |
| HLA-A*3101<br>carbamazepine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CYP3A5<br>apixaban<br>fluoxetine<br>guanfacine<br>midazolam<br>paroxetine<br>tacrolimus<br>vincristine<br>vortioxetine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UGT1A1<br>irinotecan<br>nilotinib<br>atazanavir                                   |
| HLA-B*44<br>ribavirin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| HLA-B*57:02<br>carbamazepine<br>fentanyl<br>lamotrigine<br>oxcarbazepine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UGT1A4<br>lamotrigine<br>olanzapine                                               |
| HLA-B*57:01<br>abacavir **<br>flucloxacilline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | UGT1A9<br>mycophenolzuur<br>olanzapine                                            |
| HLA-B*58:01<br>allopurinol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | VKORC1<br>acenocoumarol<br>fenprocoumon<br>warfarine                              |
| IL28B<br>PEG-INF/Ribavirine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>** Sterk aanbevolen om te testen vóór aanvang therapie</b><br><b>rood</b> = alternatief (dosis)advies beschikbaar in KNMP-Kennisbank/apotheek<br><b>oranje (a)</b> = activatie, alternatief (dosis)advies beschikbaar in KNMP-Kennisbank/apotheek<br><b>zwart (a)</b> = activatie, geen aangepast (dosis)advies in KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)<br><b>blauw</b> = beperkte rol metabolisme, geen aangepast dosis nodig vgl's KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)<br><b>zwart</b> = geen aangepast dosis nodig vgl's KNMP-Kennisbank of (nog) niet beoordeeld (01-01-2020)                                                                                                                                                  |                                                                                   |
| CYP3A4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| alifentaniil<br>alprazolam<br>amiodipine<br>apixaban<br>aprepitant<br>aripiprazol<br>atazanavir<br>atorvastatine<br>bisoprolol<br>brexipiprazol<br>carvedilol<br>clomipramine<br>chlorpromazine<br>citalopram<br>clozapine<br>codeïne<br>codeïne (a)<br>cyclosporine<br>dextromethorfan<br>donepezil<br>doxepine<br>duloxetine<br>escitalopram<br>eliglustat **<br>flecainide<br>fluoxetine<br>flupentixol<br>fluvoxatine<br>gefitinib<br>haloperidol<br>imipramine<br>methadon<br>metoclopramide<br>metoprolol<br>mirtazepine<br>moclobemide<br>nebulol<br>nortriptyline<br>ondansetron<br>oxycodon<br>pantoprazol<br>paroxetine<br>perfenazine<br>pimozide<br>promethazine<br>propafenon<br>propranolol<br>risperidon<br>tamoxifen (a)<br>venlafaxine<br>zuclopentixol | ifosfamide (a)<br>imatinib<br>imipramine<br>indinavir<br>irbesartan<br>irinotecan<br>kinidine<br>lansoprazol<br>lercanidipine<br>lidocaine<br>losartan<br>lovastatine (a)<br>meloxicam<br>methadon<br>midazolam<br>mirtazepine<br>nifedipine<br>nilotinib<br>nitrendipine<br>omeprazol<br>ondansetron<br>oxycodon<br>pacitaxel<br>pantoprazol<br>paroxetine<br>pimozide<br>prasugrel (a)<br>progesteron<br>progutanol<br>propafenon<br>propranolol<br>quetiapine<br>rabeprazol<br>repaglinide<br>risperidon<br>rivaroxaban<br>ropivacaine<br>salmeterol<br>saquinavir<br>sertaline<br>sildenafil<br>simvastatine (a)<br>sirolimus<br>soralenib<br>sunitinib<br>tacrolimus<br>tamoxifen (a)<br>temsirolimus<br>theofylline | alifentaniil<br>alprazolam<br>amiodipine<br>apixaban<br>aprepitant<br>aripiprazol<br>atazanavir<br>atorvastatine<br>bisoprolol<br>brexipiprazol<br>carvedilol<br>clomipramine<br>chlorpromazine<br>citalopram<br>clozapine<br>codeïne<br>codeïne (a)<br>cyclosporine<br>dextromethorfan<br>donepezil<br>doxepine<br>duloxetine<br>escitalopram<br>eliglustat **<br>flecainide<br>fluoxetine<br>flupentixol<br>fluvoxatine<br>gefitinib<br>haloperidol<br>imipramine<br>methadon<br>metoclopramide<br>metoprolol<br>mirtazepine<br>moclobemide<br>nebulol<br>nortriptyline<br>ondansetron<br>oxycodon<br>pantoprazol<br>paroxetine<br>perfenazine<br>pimozide<br>promethazine<br>propafenon<br>propranolol<br>risperidon<br>tamoxifen (a)<br>venlafaxine<br>zuclopentixol |                                                                                   |
| CYP2D6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| amfetamine<br>amitriptyline<br>aripiprazol<br>atomoxetine<br>atropine<br>bexipiprazol<br>carvedilol<br>clomipramine<br>chlorpromazine<br>citalopram<br>clozapine<br>codeïne<br>codeïne (a)<br>cyclosporine<br>dextromethorfan<br>donepezil<br>doxepine<br>duloxetine<br>escitalopram<br>eliglustat **<br>flecainide<br>fluoxetine<br>flupentixol<br>fluvoxatine<br>gefitinib<br>haloperidol<br>imipramine<br>methadon<br>metoclopramide<br>metoprolol<br>mirtazepine<br>moclobemide<br>nebulol<br>nortriptyline<br>ondansetron<br>oxycodon<br>pantoprazol<br>paroxetine<br>perfenazine<br>pimozide<br>promethazine<br>propafenon<br>propranolol<br>risperidon<br>tamoxifen (a)<br>venlafaxine<br>zuclopentixol                                                           | amfetamine<br>amitriptyline<br>aripiprazol<br>atomoxetine<br>atropine<br>bexipiprazol<br>carvedilol<br>clomipramine<br>chlorpromazine<br>citalopram<br>clozapine<br>codeïne<br>codeïne (a)<br>cyclosporine<br>dextromethorfan<br>donepezil<br>doxepine<br>duloxetine<br>escitalopram<br>eliglustat **<br>flecainide<br>fluoxetine<br>flupentixol<br>fluvoxatine<br>gefitinib<br>haloperidol<br>imipramine<br>methadon<br>metoclopramide<br>metoprolol<br>mirtazepine<br>moclobemide<br>nebulol<br>nortriptyline<br>ondansetron<br>oxycodon<br>pantoprazol<br>paroxetine<br>perfenazine<br>pimozide<br>promethazine<br>propafenon<br>propranolol<br>risperidon<br>tamoxifen (a)<br>venlafaxine<br>zuclopentixol            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| CYP2C19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| amitriptyline<br>aprepitant<br>atomoxetine<br>chloramfenicol<br>citalopram<br>claritromycine<br>clomipramine<br>clopidogrel (a)**<br>clozapine<br>cyclofosfamide (a)<br>diazepam<br>doxepine<br>escitalopram<br>esomeprazol<br>fenobarbital<br>fenytoïne<br>fluoxetine<br>fluvastatine<br>hexobarbital<br>ibuprofen<br>imipramine<br>indometacine<br>lansoprazol<br>moclobemide<br>melatonine<br>nilotinib<br>omeprazol<br>pantoprazol<br>paroxetine<br>prasugrel (a)<br>primidon<br>proguanil<br>propranolol<br>rabeprazol<br>sertaline<br>teniposide<br>timolol<br>valproïnezuur<br>venlafaxine<br>voriconazol<br>warfarine                                                                                                                                            | amitriptyline<br>aprepitant<br>atomoxetine<br>chloramfenicol<br>citalopram<br>claritromycine<br>clomipramine<br>clopidogrel (a)**<br>clozapine<br>cyclofosfamide (a)<br>diazepam<br>doxepine<br>escitalopram<br>esomeprazol<br>fenobarbital<br>fenytoïne<br>fluoxetine<br>fluvastatine<br>hexobarbital<br>ibuprofen<br>imipramine<br>indometacine<br>lansoprazol<br>moclobemide<br>melatonine<br>nilotinib<br>omeprazol<br>pantoprazol<br>paroxetine<br>prasugrel (a)<br>primidon<br>proguanil<br>propranolol<br>rabeprazol<br>sertaline<br>teniposide<br>timolol<br>valproïnezuur<br>venlafaxine<br>voriconazol<br>warfarine                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| CYP2C8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| chloroquine<br>fluvastatine<br>ibuprofen<br>nilotinib<br>pacitaxel<br>repaglinide<br>soralenib<br>verapamil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | chloroquine<br>fluvastatine<br>ibuprofen<br>nilotinib<br>pacitaxel<br>repaglinide<br>soralenib<br>verapamil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| CYP2C9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| acenocoumarol<br>amitriptyline<br>carvedilol<br>celecoxib<br>dapson<br>diclofenac<br>fenprocoumon<br>fenytoïne<br>fluoxetine<br>fluvastatine<br>glimepiride<br>glimepiride<br>ibuprofen<br>indometacine<br>irbesartan<br>losartan<br>meloxicam<br>naproxen<br>pantoprazol<br>piroxicam<br>prasugrel (a)<br>sertaline<br>sildenafil<br>tolbutamide<br>valproïnezuur<br>verapamil<br>voriconazol<br>vortioxetine<br>warfarine                                                                                                                                                                                                                                                                                                                                              | acenocoumarol<br>amitriptyline<br>carvedilol<br>celecoxib<br>dapson<br>diclofenac<br>fenprocoumon<br>fenytoïne<br>fluoxetine<br>fluvastatine<br>glimepiride<br>glimepiride<br>ibuprofen<br>indometacine<br>irbesartan<br>losartan<br>meloxicam<br>naproxen<br>pantoprazol<br>piroxicam<br>prasugrel (a)<br>sertaline<br>sildenafil<br>tolbutamide<br>valproïnezuur<br>verapamil<br>voriconazol<br>vortioxetine<br>warfarine                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| CYP2B6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |
| bupropion<br>cyclofosfamide (a)<br>efavirenz<br>ifosfamide<br>methadon<br>prasugrel (a)<br>sertaline<br>tramadol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | bupropion<br>cyclofosfamide (a)<br>efavirenz<br>ifosfamide<br>methadon<br>prasugrel (a)<br>sertaline<br>tramadol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                   |



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