



## **Protocol B7981020**

***A PHASE 1, NON-RANDOMIZED, OPEN LABEL, MULTIPLE DOSE STUDY TO  
EVALUATE THE PHARMACOKINETICS, SAFETY AND TOLERABILITY OF  
PF-06651600 IN PARTICIPANTS WITH RENAL IMPAIRMENT AND IN HEALTHY  
PARTICIPANTS WITH NORMAL RENAL FUNCTION***

## **Statistical Analysis Plan (SAP)**

**Version:** 1.0

**Author:** PPD

**Date:** 01-JUL-2019

### Revision History

| Version | Date          | Author(s) | Summary of Changes/Comments |
|---------|---------------|-----------|-----------------------------|
| 1.0     | July 01, 2019 | PPD       | Not Applicable              |

NOTE: *Italicized* text within this document has been taken verbatim from the Protocol.

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## 1. AMENDMENTS FROM PREVIOUS VERSION(S)

None.

## 2. INTRODUCTION

PF-06651600 is intended for chronic use in patients, some of whom may have some degree of impaired renal function. Therefore, the purpose of this study is to characterize the effect of renal impairment on the plasma PK of PF-06651600. Findings from this study will be used to develop dosing recommendations so that the dose and/or dosing interval may be adjusted appropriately in the presence of renal disease.

### 2.1. Study Design

This is a Phase 1, non-randomized, open-label, multiple-dose, parallel-cohort, multisite study to investigate the effect of renal impairment on the plasma PK, safety and tolerability of PF-06651600 after multiple oral doses of 50 mg QD. A staged approach, as outlined in detail below, will be followed in the study.

Participants will be selected and categorized into normal renal function or renal impairment groups based on their estimated glomerular filtration rate (eGFR) as shown in Table 1.

**Table 1. Renal Function Categories by eGFR Ranges**

| Cohort | Renal Impairment <sup>a</sup> | Estimated eGFR <sup>b</sup> (mL/min) | Number of Participants |
|--------|-------------------------------|--------------------------------------|------------------------|
| 1      | Severe Renal Impairment       | <30 and not requiring dialysis       | 8                      |
| 2      | None (Normal)                 | ≥90                                  | 8                      |
| 3      | Moderate renal impairment     | ≥30 to <60                           | 8                      |
| 4      | Mild Renal Impairment         | 60 - 89                              | 8                      |

- a. Stages of renal impairment are based on Kidney Disease Outcomes Quality Initiative (KDOQI) Clinical Practice Guidelines for Chronic Kidney Disease (CKD).<sup>1</sup>
- b. Estimate of eGFR based on Modification of Diet in Renal Disease (MDRD) formula. The average of the 2 screening eGFR value will be used for group assignment.
- Step 1:  $eGFR (mL/min/1.73m^2) = 175 \times (S_{cr, std})^{-1.154} \times (Age)^{-0.203} \times (0.742 \text{ if female}) \times (1.212 \text{ if African American})$  where  $S_{cr, std}$  denotes serum creatinine measured with a standardized assay.
  - Step 2: Convert the MDRD-derived, body surface area (BSA)-adjusted eGFR obtained above to absolute eGFR (mL/min) for eligibility assessment using the following equation:  
 $eGFR (mL/min) = eGFR (mL/min/1.73m^2) \times \text{participant's BSA}$  where BSA is calculated as  $BSA = (Weight^{0.425} \times Height^{0.725}) \times 0.007184$ .

**Part 1:** A total of approximately 16 participants will be enrolled in Part 1; approximately 8 participants with severe renal impairment and approximately 8 with normal renal function to ensure at least 6 evaluable participants in each group. Participants from the severe renal impairment group will be recruited first. The demographics will be pooled across study sites to determine an average value for age and weight in the severe impairment group. Subsequently, the healthy participants will be recruited later such that each participant's age is within ±10 years and weight is within ±15 kg of the mean of severe renal impairment

group. An attempt will be made to maintain a similar male/female ratio and racial composition between groups. Care will be taken when recruiting the healthy participants such that the entire group is not of substantially different age or of substantially different body weight than the renally impaired participants. Approval from the sponsor must be obtained **before** proceeding with dosing healthy participants with normal renal function (Cohort 2).

Participants who withdraw from the normal or severe renal impairment groups for non-safety related reasons and who are considered to be non-evaluable with respect to the primary PK objective of this study may be replaced at the discretion of the principal investigator (PI) and the sponsor to ensure at least 6 evaluable participants.

Criteria to proceed to Part 2: After statistical evaluation of results from Part 1 (see Section 9.4 in the protocol), Part 2 will be conducted if the point estimate of PF-06651600 area under the concentration-time curve from time 0 to 24 hours ( $AUC_{0-24}$ ) geometric mean ratio (GMR) for the severe renal impairment group (compared to the normal group as control) is  $\geq 2.0$ . If this criterion is not met, the study will stop after Part 1.

**Part 2:** Based on whether the decision criterion to proceed to Part 2 is met, approximately 8 participants each with moderate and mild renal impairment will be enrolled to ensure at least 6 evaluable participants in each group. As in Part 1, renal impairment classification will be based on eGFR. Healthy participants will not be enrolled in Part 2.

When recruiting the Part 2 participants, attempts to match the entire group to the participants in Part 1 with respect to age, gender and body weight will be made. Other demographics, such as race and ethnicity, may be considered for matching the Part 1 and Part 2 populations when possible.

As in Part 1, participants who withdraw from the moderate or mild impairment groups for non-safety related reasons and who are considered to be non-evaluable with respect to the primary PK objective of this study may be replaced at the discretion of the PI and the sponsor to ensure at least 6 evaluable participants.

**For both Parts 1 and 2:** All participants in both normal and renal impairment groups will provide informed consent and undergo Screening evaluations to determine their eligibility. Participant screening for participation in this study will consist of 2 clinical research unit (CRU) outpatient visits not more than 14 days apart (but at least 3 days apart), with the 1<sup>st</sup> Screening visit occurring within 28 days prior to administration of IP. Each participant will be admitted to the research unit on Day -1 (at least 12 hours prior to the dosing of PF-06651600 on Day 1). An eGFR value for group placement (provided stable renal function is still demonstrated) will be obtained by the average of the 2 screening values (using the Modification of Diet in Renal Disease [MDRD] equation). If the renal function stability criterion is met but the renal function classification category changes between Screening Visit 1 (S1) eGFR and the average of the S1 and Screening Visit 2 (S2) eGFRs, the eGFR measurement at Day -1 will also be used to determine the appropriate group classification category using an average of all 3 eGFR values, to determine whether the participant will be eligible for enrollment.

**Calculation of eGFR:** The following MDRD equation will be used to calculate eGFR (*Scr*, *std* denotes serum creatinine measured with a standardized assay for serum creatinine):

$$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 175 \times (\text{Scr}_{\text{cr, std}})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if female}) \\ \times (1.212 \text{ if African American})$$

Note that the value of eGFR, which is directly obtained from the lab or calculated using the equation above, is generally normalized to an average body size of 1.73 m<sup>2</sup> for diagnosis, prognosis and treatment of renal disease. In terms of clearance of renally filtered drugs (including secreted drugs), renal elimination capacity is related to absolute glomerular filtration rate (GFR) in mL/min. To use the MDRD-derived, body surface area (BSA)-adjusted value of eGFR to obtain absolute glomerular filtration rate (GFR) (mL/min) for renal disease classification or participant assignment into different renal disease groups, this value should be multiplied by the individual participant's BSA (ie, measured BSA/1.73 m<sup>2</sup>). The BSA of an individual can be calculated by the following formula as described below:

$$BSA = (\text{Weight}^{0.425} \times \text{Height}^{0.725}) \times 0.007184$$

In summary, GFR in mL/min calculated as below will be used for renal impairment group placement:

Step 1: Obtain the MDRD-derived eGFR:

$eGFR \text{ (mL/min/1.73 m}^2\text{)} = 175 \times (\text{Scr}_{\text{cr, std}})^{-1.154} \times (\text{Age})^{-0.203} \times (0.742 \text{ if female}) \times (1.212 \text{ if African American})$  where *Scr*, *std* denotes serum creatinine measured with a standardized assay.

Step 2: Convert the MDRD-derived, BSA-adjusted eGFR obtained above to absolute GFR (mL/min) for eligibility assessment using the following equation:

$eGFR \text{ (mL/min)} = eGFR \text{ (mL/min/1.73 m}^2\text{)} \times \text{participant's BSA}$  where BSA is calculated as  $BSA = (\text{Weight}^{0.425} \times \text{Height}^{0.725}) \times 0.007184$ .

CLCR will also be estimated from a spot serum creatinine measurement using the following Cockcroft-Gault (C-G) equation:

$$CL_{\text{CR}} \text{ (mL/min)} = \frac{[140 - \text{age (years)}] \times \text{total body weight (kg)} \times (0.85 \text{ for females})}{72 \times \text{serum creatinine (mg/dL)}}$$

Note that eGFR calculated by the MDRD equation will be used for categorization of degrees of renal impairment. Nevertheless, renal function will be estimated using both C-G and MDRD equations in this study and dose recommendations will be made using both C-G and MDRD equations.

To be enrolled into the study, participant should demonstrate stable renal function, with  $\leq 25\%$  change based upon screening S1 eGFR and screening S2 eGFR (calculated by the MDRD equation). The S2 eGFR assessment should be performed between 3 to 14 days after the S1 eGFR assessment. The average of these 2 eGFR values will be used for group placement based on the renal function classification category.

If the renal function stability criterion is met and the renal function classification category remains the same between S1 eGFR and the average of the S1 and S2 eGFRs, participant will be eligible for enrollment.

If the renal function stability criterion is not met, participant will be screen failed.

If the renal function stability criterion is met but the renal function classification category changes between S1 eGFR and the average of the S1 and S2 eGFRs, the eGFR measurement at Day -1 will also be used to determine the appropriate group classification category using an average of all 3 eGFR values, to determine whether the participant will be eligible for enrollment.

In case of screen failure related to eGFR stability and/or change in the renal function classification category, participant may be re-screened once after a 30-day period, provided that the initial screen failure is not due to an Inclusion/Exclusion criterion that results in permanent disqualification from enrollment (eg, medical history). This can be done only with Sponsor's approval.

**Table 2. Criteria to Establish Stable Renal Function**

| <i>Renal function Measurement</i>        | <i>eGFR (mL/min)</i> | <i>Criterion for stability</i>                                                                              |
|------------------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------|
| <i>S1</i>                                | <i>G1</i>            |                                                                                                             |
| <i>S2 (Within 3 to 14 days after S1)</i> | <i>G2</i>            | $\Delta =  G2 - G1  \times 100 / G1^a$<br>If $\Delta \leq 25\%$ ; stable<br>If $\Delta > 25\%$ ; not stable |

Abbreviations: S1= Screening Visit 1; S2= Screening Visit 2.

a. Parenthesis of | | represents absolute values.

The eGFR value will be determined on Day -1, 2, 5, 8, and 11, and the average eGFR values from Day -1 to Day 11 will be used in PK analysis.

The total participation time (ie, CRU confinement time for study procedures) for each participant in this study is approximately 11 nights/12 days (excluding screening & Follow-Up contact). Participants will have a follow-up phone call 28-35 days after last dose administration to assess for AEs (Adverse Events).

A participant is considered to have completed the study if he/she has completed all phases of the study including the last scheduled procedure shown in the Schedule of Activities in the protocol.



## 2.2. Study Objectives

### Primary Objective

- *Part 1: To evaluate the effect of severe renal impairment on the PK of PF-06651600 following multiple oral dose administration.*
- *Part 2 (if applicable): To evaluate the effect of moderate and mild renal impairment on the PK of PF-06651600 following multiple oral dose administration.*

### Secondary Objective

- *To evaluate the safety and tolerability of multiple oral doses of PF-06651600 in participants with renal impairment and in healthy participants with normal renal function.*

### Tertiary/Exploratory Objectives

- *To compare additional PK parameters of PF-06651600 following administration of multiple oral doses in participants with renal impairment and in healthy participants without renal impairment.*
- *To enable exploratory research through collection of banked biospecimens, unless prohibited by local regulations or ethics committee decision.*

## 3. INTERIM ANALYSES, FINAL ANALYSES AND UNBLINDING

*No formal interim analysis will be conducted for this study. As this is an open-label study, the sponsor may conduct unblinded reviews of the data during the course of the study for the purpose of safety assessment.*

*Additionally, PK data will be analyzed in Part 1 and based on the results decision will be made whether to progress to Part 2.*

Final analysis will follow the official database release. As this will be an open-label study, there is no formal unblinding of the randomization code.

## 4. HYPOTHESES AND DECISION RULES

### 4.1. Statistical Hypotheses

No hypotheses are required.

### 4.2. Statistical Decision Rules

After statistical evaluation of results from Part 1 (see Section 9.4 in the protocol), Part 2 will be conducted if the point estimate of PF-06651600 area under the concentration-time curve from time 0 to 24 hours ( $AUC_{0-24}$ ) geometric mean ratio (GMR) for the severe renal impairment group (compared to the normal group as control) is  $\geq 2.0$ . If this criterion is not met, the study will stop after Part 1.

## **5. ANALYSIS SETS**

### **5.1. Pharmacokinetic (PK) Analysis Set**

#### **5.1.1. Concentration Analysis Set**

*The PK concentration population is defined as all participants assigned to investigational product and treated who have at least 1 concentration measured.*

#### **5.1.2. Parameter Analysis Set**

*The PK parameter analysis population is defined as all participants assigned to investigational product and treated who have at least 1 of the PK parameters of primary interest measured.*

### **5.2. Pharmacodynamic Analysis Set**

None.

### **5.3. Safety Analysis Set**

*All assigned to investigational product and who take at least 1 dose of investigational product. Participants will be analyzed according to the product they actually received.*

### **5.4. Other Analysis Sets**

None.

### **5.5. Treatment/Group Misallocations**

All analyses will be performed on an “as-treated” basis and will not include data from subjects who are randomized but not treated.

If based on eGFR value(s) a subject is assigned to the wrong renal impairment group, this subject will be reassigned to the correct group and analyzed for safety and PK analysis according to his reassigned group.

### **5.6. Protocol Deviations**

Subjects who experience events that may affect their PK profile (eg, lack of compliance with dosing) may be excluded from the PK analysis. At the discretion of the pharmacokineticist a concentration value may also be excluded if the deviation in sampling time is of sufficient concern or if the concentration is anomalous for any other reason.

A full list of protocol deviations will be compiled and reviewed to identify major and minor deviations prior to database closure.

#### **5.6.1. Deviations Assessed Prior to Randomization**

At Screening, the investigator will assess subjects against the inclusion and exclusion criteria as set out in Sections 4.1 and 4.2 of the protocol.

### **5.6.2. Deviations Assessed Post-Randomization**

A full list of protocol deviations for the study report will be compiled prior to database closure. Any significant deviation from the protocol will be reviewed prior to database closure and a decision taken regarding evaluation for each analysis population.

## **6. ENDPOINTS AND COVARIATES**

### **6.1. Efficacy Endpoint(s)**

None.

### **6.2. Safety Endpoints**

An adverse event is considered a Treatment-Emergent Adverse Event (TEAE) if the event started during the effective duration of treatment.

All events that start on or after the first dosing day and time/start time, if collected, but before the last dose plus the lag time will be flagged as TEAEs.

The following data are considered in standard safety summaries (see protocol for collection days and list of parameters):

- *adverse events,*
- *laboratory data,*
- *vital signs data,*
- *ECG results.*

### **6.3. Other Endpoints**

#### **6.3.1. PK Endpoints**

Blood and urine samples for PK analysis of PF-06651600 will be taken according to the Schedule of Activities given in the protocol.

The following PK parameters will be calculated for PF-06651600 (if possible) from the concentration-time data using standard noncompartmental methods:

**Table 3. Noncompartmental PK Parameters**

| Matrix | PK Parameter                 | Analysis Scale | PF-06651600 |
|--------|------------------------------|----------------|-------------|
| Plasma | AUC <sub>0-24</sub>          | ln             | A, D        |
|        | AUC <sub>last</sub>          | ln             | D           |
|        | C <sub>max</sub>             | ln             | A, D        |
|        | T <sub>max</sub>             | R              | D           |
|        | CL/F                         | ln             | D           |
|        | C <sub>trough</sub>          | ln             | D           |
| Urine* | CL <sub>r</sub> <sup>†</sup> | ln             | D           |
|        | Ae <sub>24</sub>             | R              | D           |
|        | Ae <sub>24</sub> (%)         | R              | D           |

Key: A=analyzed using statistical model, D=displayed with descriptive statistics, ln=natural-log transformed, R=raw (untransformed), \* =will be analyzed depending on Plasma PK results.

### 6.3.2. PD Endpoints

None.

### 6.4. Covariates

None.

## 7. HANDLING OF MISSING VALUES

For the analysis of safety endpoints, the sponsor data standard rules for imputation will be applied.

### 7.1. Concentrations Below the Limit of Quantification

In all data presentations (except listings), concentrations below the limit of quantification (BLQ) will be set to zero. (In listings BLQ values will be reported as “<LLQ”, where LLQ will be replaced with the value for the lower limit of quantification).

### 7.2. Deviations, Missing Concentrations and Anomalous Values

In summary tables and plots of median profiles, statistics will be calculated having set concentrations to missing if 1 of the following cases is true:

1. A concentration has been collected as ND (ie, not done) or NS (ie, no sample).
2. A deviation in sampling time is of sufficient concern or a concentration has been flagged anomalous by the pharmacokineticist.

Note that summary statistics will not be presented at a particular time point if more than 50% of the data are missing.

### 7.3. Pharmacokinetic Parameters

Actual PK sampling times will be used in the derivation of PK parameters.

If a PK parameter cannot be derived from a subject's concentration data, the parameter will be coded as NC (ie, not calculated). (Note that NC values will not be generated beyond the day that a subject discontinues).

In summary tables, statistics will be calculated by setting NC values to missing; and statistics will be presented for a particular renal function group with  $\geq 3$  evaluable measurements. For statistical analyses (ie, analysis of variance), PK parameters coded as NC will also be set to missing; and analyses will not be performed for a particular parameter if more than 50% of the data are NC.

If an individual subject has a known biased estimate of a PK parameter (due for example to an unexpected event such as vomiting before all the compound is adequately absorbed in the body), this will be footnoted in summary tables and will not be included in the calculation of summary statistics or statistical analyses.

## **8. STATISTICAL METHODOLOGY AND STATISTICAL ANALYSES**

### **8.1. Statistical Methods**

The effect of the renal impairment on PK parameters will be assessed by constructing 90% confidence intervals around the estimated difference between each of the Test (renal impaired groups) and the Reference (normal renal function group) using a one-way ANOVA model based on natural log transformed data.

The relationship between PK parameters and renal function will be assessed using linear regression model.

### **8.2. Statistical Analyses**

#### **Part 1**

*Analysis of variance (ANOVA) will be used to compare the natural log transformed PF-06651600  $AUC_{0-24}$  and  $C_{max}$  between normal renal function group (Reference) and the severe impaired renal function group (Test). Estimates of the adjusted mean differences (Test-Reference) and corresponding 90% confidence intervals (CIs) will be obtained from the model. The mean differences and 90% CIs for the differences will be exponentiated to provide estimates of the ratio of the geometric means (Test/Reference) and 90% CIs for the ratios.*

*Part 2 may be conducted if PF-06651600  $AUC_{0-24}$  GMR for severe renal impairment group compared to normal group is  $\geq 2$ .*

#### **Part 2**

*ANOVA will be used to compare the natural log transformed PF-06651600  $AUC_{0-24}$  and  $C_{max}$  between normal renal function group (Reference) and the moderate and mild impaired renal function groups (Test). Estimates of the adjusted mean differences (Test-Reference) and corresponding 90% CIs will be obtained from the model. The mean differences and 90% CIs for the differences will be exponentiated to provide estimates of the ratio of the geometric*

means (Test/Reference) and 90% CIs for the ratios. If substantial differences in demographic characteristics between healthy and impaired participants are observed, weight and age will be explored as covariates.

Box and whisker plots for individual participant parameters ( $AUC_{0-24}$  and  $C_{max}$ ) will be constructed by renal function group and overlaid with geometric means.

For summary statistics and median/mean plots by sampling time, the nominal PK sampling time will be used. For individual participant plots by time, the actual PK sampling time will be used.

If Part 2 is executed and data for normal, mild, moderate and severe impairment groups are available, additional analysis will be performed to assess relationship between appropriate PK parameters and renal function.

Linear regression will be used to analyze the potential relationship between appropriate PK parameters ( $CL/F$  or  $CL_r$ , and  $V_z/F$ ) and renal function (eGFR). Estimates of the slope and intercept, together with their precision (90% CI), and the coefficient of determination will be obtained from the model.

Plots of PK parameters ( $CL/F$  or  $CL_r$ , and  $V_z/F$ ) versus renal function (eGFR) will be constructed. A regression line and 90% confidence region for the PK parameters and eGFR will be included if appropriate. Vertical lines for the renal function group cut-off values will also be presented on the plots. Different symbols will be used to identify participants from different renal function groups.

Residuals from the models will be examined for normality and the presence of outliers via visual inspection of plots of residuals vs predicted values and normal probability plots of residuals but these will not be included in the clinical study report. If there are major deviations from normality or outliers then the effect of these on the conclusions will be investigated through alternative transformations and/or analyses excluding outliers. Justification for any alternative to the planned analysis will be given in the report of the study.

The following PK parameters will be summarized by renal function group:

**Table 4. PK Parameters to be Summarized Descriptively by Group**

| Parameter                                                                      | Summary Statistics                                                                                       |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| $AUC_{last}$ , $AUC_{0-24}$ ,<br>$C_{max}$ , $C_{trough}$ , $CL_r$ ,<br>$CL/F$ | N, arithmetic mean, median, cv%, standard deviation, minimum, maximum, geometric mean and geometric cv%. |
| $T_{max}$                                                                      | N, median, minimum, maximum.                                                                             |
| $Ae_{24}$ , $Ae_{24}(\%)$                                                      | N, arithmetic mean, median, cv%, standard deviation, minimum, maximum.                                   |

Presentations for PF-06651600 concentrations will include:

- a listing of all concentrations sorted by renal function group (present in heading), subject id and nominal time postdose. The concentration listing will also include the actual times. Deviations from the nominal time will be given in a separate listing.
- a summary of concentrations by renal function group and nominal time postdose, where the set of statistics will include n, mean, median, standard deviation, coefficient of variation (cv), minimum, maximum and the number of concentrations above the lower limit of quantification.
- median concentrations time plots (on both linear and semi-log scales) against nominal time postdose by renal function group (all renal function groups on the same plot per scale, based on the summary of concentrations by renal function group and time postdose).
- mean concentrations time plots (on both linear and semi-log scales) against nominal time postdose by renal function group (all renal function groups on the same plot per scale, based on the summary of concentrations by renal function group and time postdose).
- individual concentration time plots by renal function group (on both linear and semi-log scales) against actual time postdose (there will be separate spaghetti plots for each renal function group per scale).
- a listing of all urine concentration interval sorted by renal function group (present in heading), subject ID and nominal collection duration postdose.

For summary statistics, median and mean plots by sampling time, the nominal PK sampling time will be used, for individual subject plots by time, the actual PK sampling time will be used.

### **8.3. Safety Analysis**

A set of summary tables split by renal function group will be produced to evaluate any potential risk associated with the safety and toleration of administering PF-06651600.

#### **8.3.1. Treatment and Disposition of Subjects**

Subject evaluation groups will show end of study subject disposition and will show which subjects were analyzed for pharmacokinetics, as well as for safety (adverse events and laboratory data). Frequency counts will be supplied for subject discontinuation(s) by renal function group.

Data will be reported in accordance with the sponsor reporting standards.

#### **8.3.2. Demographic and Clinical Examination Data**

A break-down of demographic data will be provided for age, race, weight, body mass index, and height. Each will be summarized by sex at birth and 'All Subjects' in accordance with the sponsor reporting standards.

### **8.3.3. Discontinuation(s)**

Subject discontinuations, temporary discontinuations or dose reductions due to adverse events will be detailed and summarized by renal function group.

Data will be reported in accordance with the sponsor reporting standards.

### **8.3.4. Adverse Events**

Adverse events will be reported in accordance with the sponsor reporting standards by renal function group.

### **8.3.5. Laboratory Data**

The baseline measurement is the last pre-dose measurement.

Laboratory data will be listed and out of range values will be summarized in accordance with the sponsor reporting standards.

### **8.3.6. Vital Signs Data**

The baseline measurement is the last planned pre-dose measurement.

Vital Signs data will be listed and out of range values will be summarized in accordance with the sponsor reporting standards.

### **8.3.7. ECG Data**

The baseline measurement is the last planned pre-dose measurement.

ECG data will be listed and frequencies of out of range values will be provided in accordance with the sponsor reporting standards.

### **8.3.8. Other Safety Data**

None.

### **8.3.9. Concomitant Treatments**

All concomitant medication(s) as well as non-drug treatment(s) will be provided in the listings.

### **8.3.10. eGFR (estimated Glomerular Filtration Rate) Data**

These data will be listed and summarized by renal group and time point in accordance with the sponsor reporting standards.

### **8.3.11. Screening and Other Special Purpose Data**

Screening data that will be brought in-house will be listed.



## **9. REFERENCES**

1. National Kidney Foundation. (2002) K/DOQI Clinical practice guidelines for chronic kidney disease: Evaluation, classification, and stratification. *Am J Kidney Dis.* 39(2 Suppl 1):S1-266.

## 10. APPENDICES

### Appendix 1. SAS CODE FOR ANALYSES

An example of the PROC REG code (Applicable for Part 2) is provided below:

```
proc reg data=tab.pk;
  model l&var=clcr/clb alpha=0.1;
  ods output ParameterEstimates = param&var;
  ods output FitStatistics = fit&var;
  ods output ANOVA = reg&var;
run;
```

An example of the PROC MIXED code is provided below:

```
proc mixed data = tab.pk covtest alpha=0.1;
  class group;
  model l&var = group / S covb alpha=0.1 CL DDFM=KR;
  repeated/ type=un subject=subjid group=group R;
  lsmeans group;

  *****Part 1*****;
  estimate 'Severe vs Normal'          group 1 -1;

  *****Part 2*****;
  estimate 'Mild vs Normal'            group 0 -1 0 1;
  estimate 'Moderate vs Normal'       group 0 -1 1 0;

  ods output lsmeans = lsmeans&var;
  ods output solutionf = solution&var;
run;
```

/\* Letter assignments for group within the estimate statement above are as follows;

A = *Severe* (Test)  
 B = *Normal* (Reference);  
 C = *Moderate* (Test)  
 D = *Mild* (Test) \*/;