IMPAACT 2007 PHARMACOKINETICS

IMPAACT ANNUAL MEETING JUNE 2017 VERSION 1.0, 13 APRIL 2016 LOA #1, 12 AUGUST 2016

PK SAMPLING REFERENCES

Consult Section 7 of the Manual of Procedures which is available on the PSWP for guidelines related to PK Sampling

COHORT I: ENTRY INTENSIVE PK VISIT

Cohort I: Entry - Intensive PK Sampling							
Time Points	Pre-dose < I hr before dosing	I – 2 hrs post-dose	4 – 8 hrs post-dose	II – I3 hrs post- dose	20 – 24 hrs post-dose	48 – 72 hrs post- dose	
	Stratum IB only: Collect single sample for EFV level at any time on the same day as the first dose of maraviroc						

COHORT I: SEQUENCE OF INTENSIVE PK-RELATED PROCEDURES AT **ENTRY (DAY 0-3)**

If the mother-Infant pair is not enrolled, confirm final eligibility determination

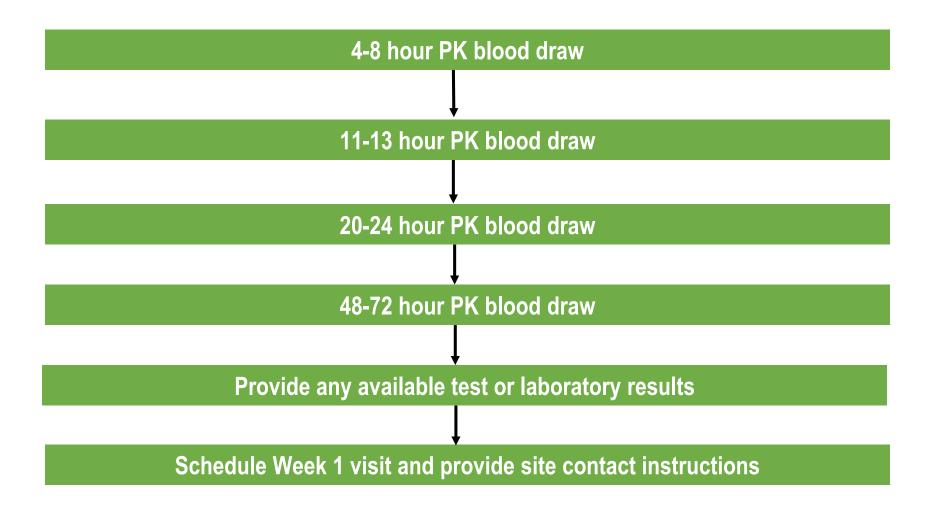
Enter checklist data into Subject Enrollment System (SES) to enroll mother-infant pair; confirm pair successfully enrolled

Pre-dose PK blood draw

Study drug administered in the clinic within 1 hour of pre-dose PK blood draw

1-2 hour PK blood draw

SEQUENCE OF INTENSIVE PK-RELATED PROCEDURES



COHORT I: LIMITED PK VISIT

- A Limited PK collection will be conducted at the Week 1 visit (Day 7-14)
- Collect a pre-dose PK sample within 48 hours of study-drug dosing
 - Note: Second dose of maraviroc should not be administered until Week I ALT and AST test results have been reviewed (See Section 8.2.1 in LoA #1 for modified toxicity management guidelines).
- Limited PK samples should be collected at the following time points:
 - I-2 hours and 22-26 hours after the observed dose
- Infants in Stratum IB only should have an additional 0.5 mL sample collected for EFV testing

COHORT 2: INTENSIVE PK VISITS

Weeks I and 4

- Based on data from Cohort I, the daily dose frequency for Cohort 2 will be communicated via a protocol Clarification Memorandum
- Infants in each stratum will be administered maraviroc either once daily or twice daily.
- The intensive PK sampling timepoints for each stratum in Cohort 2 are dependent on the frequency of daily dosing.

COHORT 2 INTENSIVE PK – ONCE DAILY DOSING

Cohort 2: Weeks I and 4 - Intensive PK Sampling with Once Daily Dosing							
Time	Pre-dose < I	I – 2 hrs post-	4 – 8 hrs post-	11 – 13 hrs	20 – 24 hrs		
Points	hr before dosing	dose	dose	post-dose	post-dose		
	Stratum 2B only: Collect single sample for EFV level at any time during PK sampling						

COHORT 2: INTENSIVE PK VISITS ONCE-DAILY DOSING

Weeks I and 4

- Infants should take study drug for 3 days prior to the intensive PK visit. If this does not occur, the intensive PK visit should be rescheduled
- PK sampling should be scheduled so that the observed dosing of study drug is ideally 24 hours (generally 22-26 hours) after the previous dosing. PK sampling must be initiated on the same day as the observed dose of maraviroc
- A pre-dose PK sample should be collected within I hour before dosing, and then I-2h, 4-8h, II-I3h, and 20-24h after dose
- Infants in Stratum 2B only should have an additional 0.5 mL sample collected for EFV testing

COHORT 2 INTENSIVE PK SAMPLING WITH TWICE DAILY DOSING

Cohort 2: Weeks I and 4 - Intensive PK Sampling with Twice Daily Dosing							
Time Points	Pre-dose < I hr before dosing	I – 2 hrs post- dose	3 – 5 hrs post- dose	6 – 8 hrs post- dose	II – I3 hrs post-dose		
	Stratum 2B only: Collect single sample for EFV level at any time during PK sample						

COHORT 2: INTENSIVE PK VISITS TWICE-DAILY DOSING

Weeks I and 4

- Infants should take study drug for 3 days prior to the intensive PK visit. If this does not occur, the intensive PK visit should be rescheduled.
- PK sampling should be scheduled so that the observed dosing of study drug is ideally 12 hours (generally 11-13 hours) after the previous dosing.
- A pre-dose PK sample should be collected within I hour before dosing, and then I-2h, 3-5h, 6-8h, and II-I3h after dose.
- Infants in Stratum 2B only should have an additional 0.5 mL sample collected for EFV testing.

COHORT 2: POPULATION PK

Week 6

- A single 0.5 mL sample should be collected for all infants in Cohort 2 (for once or twice daily dosing)
- Infants in Stratum 2B only should have an additional 0.5 mL sample collected for EFV testing.

IMPAACT 2007 PK PROCEDURES

What are your questions?