Note : This guide does not replace reviewing the iPRECIO® User Manual thoroughly. It assumes prior knowledge of iPRECIO® use.
Some minor steps may have been omitted due to space constraints. If in doubt, refer to the manual.

Workflow for programming infusion protocol, downloading, activation for RCV Variable Infusion Protocol.

RCV Variable

BookMarks of UserManual

iPRECIO Global Workflow Pg. 9 & 10

Review Checklist for precautions on Pg. 8

Starting a new study: with number of groups/animals/drug concentration etc. Pg. 30

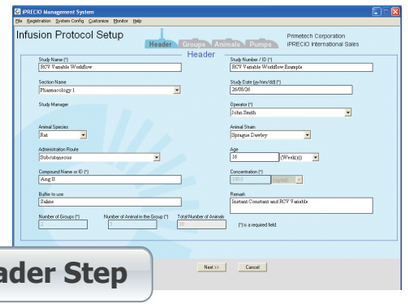
Infusion & Flow Rate modes Review Pg. 25 - 27
Study Programming Pg. 31 - 35

Pump Detection (Recognition) & Program Pump Pg. 36 & 37 respectively

Surgical Guide, Initial Fill & Activation Pg. 40, 43 & 44 respectively

iPRECIO Management Pg. 61

1 Header Step



Start a New Study Go to Header Step of iPRECIO® Software. Fill in details. All fields marked with *(asterisk is required) and these are:

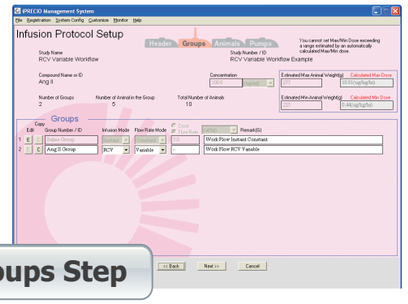
Required Fields
1. Study Name
2. Compound Name or ID
3. Number of Groups
4. Number of Animal in the group
5. Study Number/ID
6. Study Date
7. Operator
8. Concentration

Example
1. RCV Variable Workflow
2. Ang II
3. 2
4. 5
5. RCV Variable Workflow Example
6. 10/08/03
7. John Smith (Select your name)
8. 100

Comment

For this example 2 groups, one for saline and second for Ang II. 5 animals per group. It is also recommended to fill all fields as it will serve as a study record.

2 Groups Step



Animal Groups Setting Need to fill in the following fields:

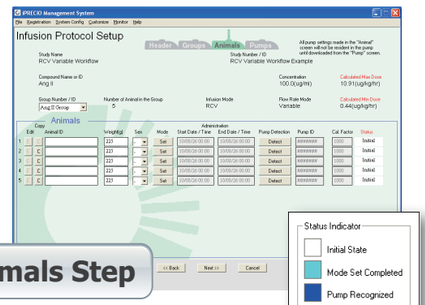
Required Fields
1. Concentration (if not filled in Header Step)
2. Estimated Max/Min Animal Weight
3. Enter Group Number/ID
4. Select Infusion Mode
5. Flow Rate Mode
6. Select Dose or Flow Rate

Example
(Group2, Ang II)
1. 100
2. 275 max & 225 min
3. Saline Group & Ang II Group
4. RCV
5. Variable
6. Flow Rate

Comment

RCV variable requires a few more parameters than Instant Constant as an Initial Saline infusion is programmed for recovery period (RCV) prior to start of drug administration. Group 1 same as Instant Constant Setup. Not shown here.

3 Animals Step



Required fields to input are described here after. (Select the Ang II group.) Complete Animals Setting, then set Modes and Detection.

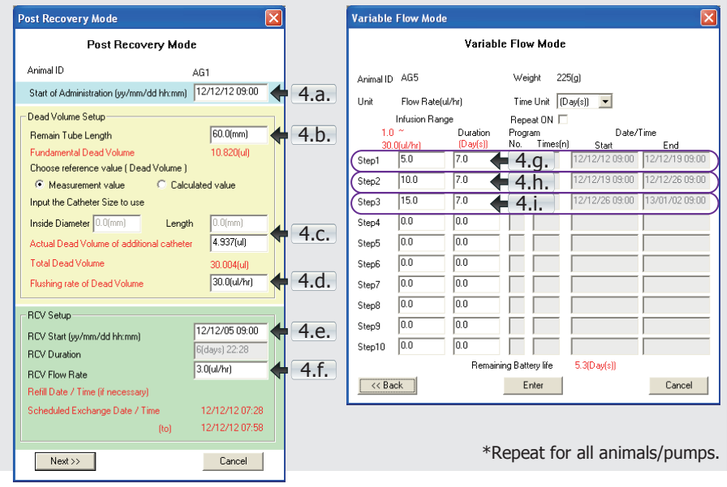
Animal Setting, Pump Assignment (Pump Detection/Recognition)

Required Fields
1. Animal ID, 2. Weight, 3. Sex
4. Mode (Click Set button. [Post Recovery Mode])
   a. Start of Administration Time/Date
   b. Remaining tube length of iPRECIO pump
   c. Additional catheter (if attached) ID and length or Measured Dead Volume
   d. Flushing rate of Dead Volume,
   e. RCV Start Time/Date,
   f. RCV Flow rate

(NEXT to continue to Mode [Variable Flow Mode])
   g. Step 1 flow rate and duration,
   h. Step 2 flow rate and duration,
   i. Step n flow rate and duration... (n=10 is max) Click on <Enter> once completed.
5. Detect (Click Detect button to assign pump.)

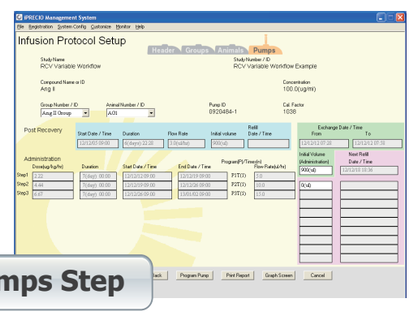
* Repeat steps 1-5 for each animal/pump. Alternatively use the copy function to copy from the infusion protocol from the row above and then modify animal weight/ID as required. Once all pumps have been assigned to each animal, protocols may be downloaded to the pumps.

Example [Ang II Group with 3 steps used] 1. AG1, 2. 225, 3. F



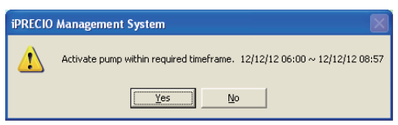
*Repeat for all animals/pumps.

4 Pumps Step



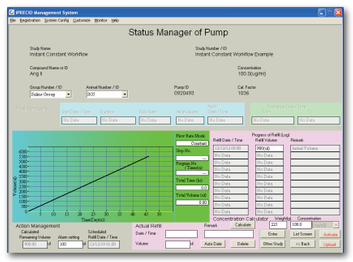
Program Pump/Download, Pump Activation, Save Protocol and Monitoring

After all pumps are assigned to each animal, click NEXT>> to go Pumps window. Click Program Pump button.



Click the Yes button to download.

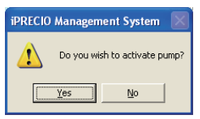
Download protocol to all pumps of all groups.



After finishing programming (downloading) to all group pumps, Status Manager of Pump is available.

To activate pumps, click Activate button in the Status Manager of Pump window. All pumps will need to be activated.

Each pump must be activated at the appropriate <Activation Time Window>, 3 mins to 3 hours before infusion start time.



Download to pumps at the appropriate <Download Time Window>, 6 mins to several days before infusion start time. Best practice is to download and activate well in advance of the required limits.

Fill reservoir completely and ensure that solution reaches the distal end of iPRECIO pump catheter prior to activation.