Workflow for programming infusion protocol, downloading, activation for Instant Constant Infusion Protocol.

Instant Constant

BookMarks of UserManual

- iPRECIO Global Workflow Pg. 9 & 10
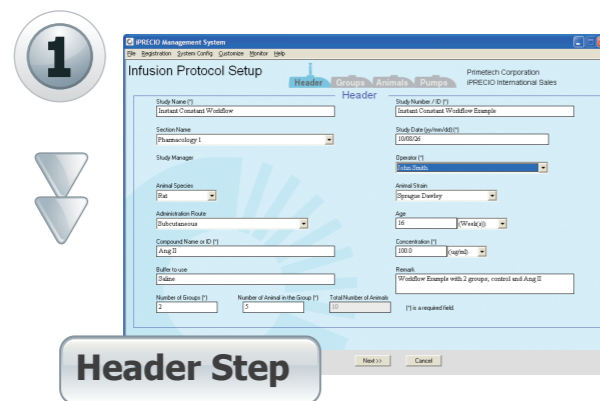- Review Checklist for precautions on Pg. 8
- Starting a new study: with number of groups/animals/drug concentration etc. Pg. 30
- Infusion & Flow Rate modes Review Pg. 25 - 27 Study Programming Pg. 31 - 35
- Pump Detection (Recognition) & Program Pump Pg. 36 & 37 respectively
- Surgical Guide, Initial Fill & Activation Pg. 40, 43 & 44 respectively
- iPRECIO Management Pg. 61
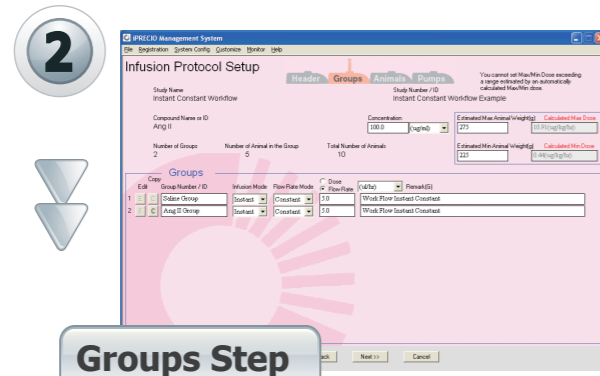
① Header Step

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. Instant Constant Workflow
2. Ang II
3. 2
4. 5
5. Instant Constant 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.
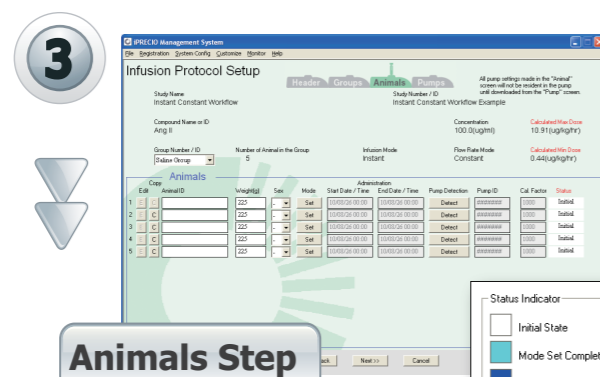
② Groups Step

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
7. Flow Rate

Example
1. 100
2. 275 max & 225 min
3. Saline Group & Ang II Group
4. Instant
5. Constant
6. Flow Rate
7. 5 & 5

✎ Comment
Instant constant requires the minimum parameters for pump programming, start time/date, duration and flow rate. Both Groups Instant/Constant with 5.0 flow rate.
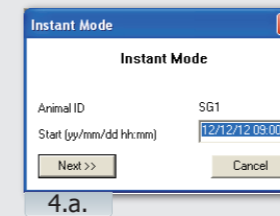
③ Animals Step

Animal Setting, Pump Assignment (Pump Detection/Recognition)
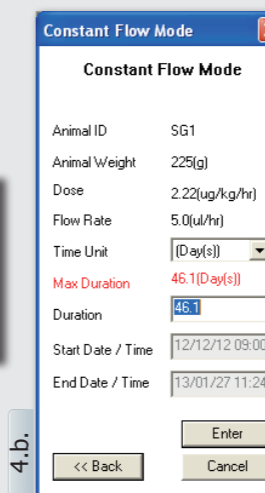
Required Fields
1. Animal ID, 2. Weight, 3. Sex
4. Mode (Click [Set] button)
   a. Start Time/Date ,
   b. Duration (Select time unit)
5. Detect
   (Click [Detect] button to assign pump.)

* 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.
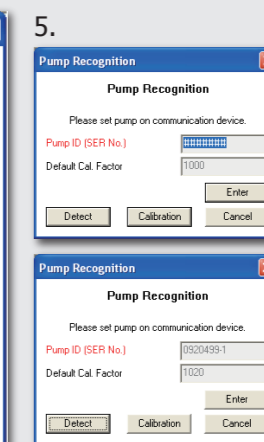
Required fields to input are described here after. Complete Animals Setting, then set Modes and Detection.

Status Indicator
- Initial State
- Mode Set Completed
- Pump Recognized
- Download Completed
- Warning Next Refill

Example
[Saline Group]
1. SG1, 2. 225, 3. F
4. a. 12/12/12 09:00,
   b.46.1 (days)

Instant Mode
Animal ID   SG1
Start (yy/mm/dd hh:mm)   12/12/12 09:00
[Next >>]   [Cancel]
4.a.

Constant Flow Mode
Animal ID   SG1
Animal Weight   225(g)
Dose   2.22(ug/kg/hr)
Flow Rate   5.0(ul/hr)
Time Unit   [Day(s)]
Max Duration   46.1(Day(s))
Duration   46.1
Start Date / Time   12/12/12 09:00
End Date / Time   13/01/27 11:24
[Enter]
[<< Back]   [Cancel]
4.b.

5.
Pump Recognition
Please set pump on communication device.
Pump ID (SER No.)   [   ]
Default Cal. Factor   1000
[Detect] [Calibration] [Cancel] [Enter]

Pop-up window shown after clicking Detect button on the animal window. Click Detect button.

Pump Recognition
Please set pump on communication device.
Pump ID (SER No.)   0920499-1
Default Cal. Factor   1020
[Detect] [Calibration] [Cancel] [Enter]

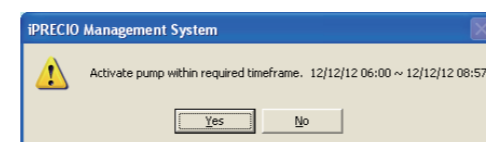Pump ID and Cal. Factor recognized automatically. Click <Enter> to accept.
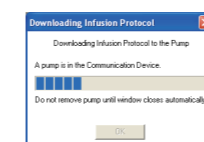
*Repeat for all animals/pumps.
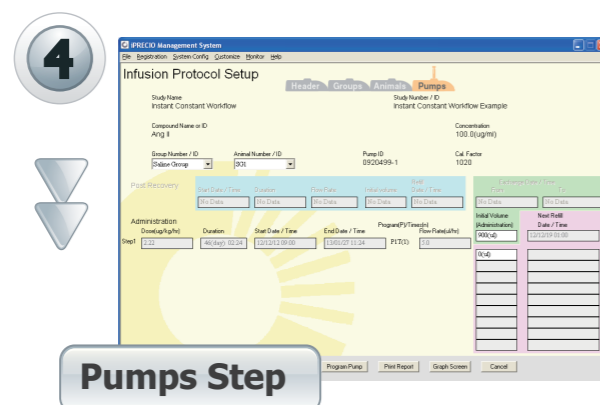
④ Pumps Step

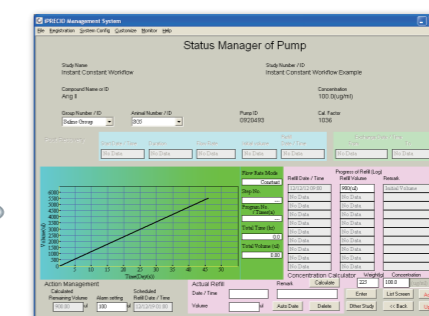**Program Pump/Download, Pump Activation, Save Protocol and Monitoring**

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

iPRECIO Management System
⚠ Activate pump within required timeframe. 12/12/12 06:00 ~ 12/12/12 08:57
[Yes] [No]

Click the [Yes] button to download.

Downloading Infusion Protocol
Downloading Infusion Protocol to the Pump
A pump is in the Communication Device.
Do not remove pump until window closes automatically.

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.

iPRECIO Management System
⚠ Do you wish to activate pump?
[Yes] [No]
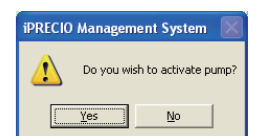
ⓘ Fill reservoir completely and ensure that solution reaches the distal end of iPRECIO pump catheter prior to activation.