

Order Information

Admin Instructions (Edited Today at 0937):

[Show Changes](#)

Rates should be calculated based upon ideal body weight (IBW) unless actual body weight is less than IBW, then actual body weight should be used.

Rates are calculated based on Ideal Body Weight (IBW)

Infuse at 0.5 mL/kg/hr = 35 mL/hr for 30 minutes, then if no reaction

Increase rate to 1 mL/kg/hr = 70 mL/hr for 30 minutes, then if no reaction

Increase rate to 2 mL/kg/hr = 140 mL/hr for 30 minutes, then if no reaction

Increase rate to 3 mL/kg/hr = 211 mL/hr for 30 minutes, then if no reaction

Increase rate to 4 mL/kg/hr = 281 mL/hr for 30 minutes, then if no reaction

Increase rate to 5 mL/kg/hr = 352 mL/hr (maximum infusion rate) for remainder of infusion

Consider longer infusion time for patients at risk for or with pre-existing renal disease.

Allow to reach room temperature prior to administration. Do NOT shake.

Refrigerate.

Priority: Routine

Must Program as Primary for Alaris (Secondary Not Allowed)

Product: immune globulin (human) 10% Soln

Frequency: Once

Route: intravenous

Ordered Dose: 0.5 g/kg × 70.5 kg (Ideal)

Ordered Admin Dose: 35 g = 350 mL

Concentration: 0.1 g/mL

Ordered Infusion Rate: 5-650 mL/hr

Administration Window: 60 minutes from the due time

Order Start Time: Today 02/22/23 at 1000

Administrations Remaining: 0 (+1 in progress)

Expected Dispense Volume: 350 mL

Step 1: VTBI = 17.5 mL

Step 2: VTBI = 35 mL

Step 3: VTBI = 70 mL

Step 4: VTBI = 105.5 mL

Step 5: VTBI = 140.5 mL

total infused at this point = 368.5 mL

```
MSH|^~\&|IOPVENDOR^1234560000000001^EUI-64|IOPVENDOR|IOCVENDOR^6543210000000001^EUI-64|IOCVENDOR|20080101123456-0600||RGV^O15^RGV_O15|1|P|2.6|||AL|A
L||ASCII|EN^English^ISO659||IHE_PCD_RGV_O15^IHE_PCD^1.3.6.1.4.1.19376.1.6.1.3.1^ISO
PID|||98765^^^IHE^PI||Doe^John^^^^L||19660101000000-0600|M
ORC|RE|12345|||||||||||||N0001
RXG|1|||1234^Immune
Globulin^Rx|17.5||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||35|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC||
|||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||
TQ1|1|||||||||30^2208&MDC_DIM_MIN&MDC
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165  -- check if HL7 would allow only RXR per PCD-03?  If so update TF.
OBX|1||69986^MDC_DEV_PUMP_INFUS_VMD^MDC|||||F|||||A0001^^6543210000000001^EUI-64  -- TF says to include 'as required', can we only include in
step 1?
OBX|2|NM|68063^MDC_ATTR_PT_WEIGHT^MDC||70.5|263875^MDC_DIM_KILO_G^MDC||||F  -- TF says to include 'as required', can we only include in step 1?.
OBX|3||158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F  -- TF requires this in each step.
OBX|4||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||  -- TF requires this in each step.
RXG|2|||1234^Immune
Globulin^Rx|35||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||70|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC|||
|||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||
TQ1|2|||||||||30^2208&MDC_DIM_MIN&MDC
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165
OBX|5||158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F
OBX|6||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||
RXG|3|||1234^Immune
Globulin^Rx|70||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||140|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC|||
|||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||
TQ1|3|||||||||30^2208&MDC_DIM_MIN&MDC
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165
OBX|7||158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F
OBX|8||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||
RXG|4|||1234^Immune
Globulin^Rx|105.5||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||211|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC
|||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||
TQ1|4|||||||||30^2208&MDC_DIM_MIN&MDC
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165
OBX|9||158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F
OBX|10||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||
RXG|5|||1234^Immune
Globulin^Rx|140.5||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||281|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC
|||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM|||||
TQ1|5|||||||||30^2208&MDC_DIM_MIN&MDC
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165
OBX|11|158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F
OBX|12||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||
```

```
RXG|6|||1234^Immune
Globulin^Rx|???||263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM||||||352|265624^mL/h^UCUM^MDC_DIM_MILLI_L_PER_HR^MDC|35|263890^g^UCUM^MDC_DIM_MILLI_G^MDC||
||||||350|263762^MDC_DIM_MILLI_L^MDC^mL^mL^UCUM||||||
RXR|^IV^HL70162||^IVP^HL70164|^IV^HL70165
OBX|13||158033^MDC_INFUS_TOTAL_NUM_STEPS^MDC||6|||||F
OBX|14||158037^MDC_INFUS_ORDER_STEP_TYPE|||continuous|||
```

Not enough fluid in this example to complete 5 steps.
40g in 400 mL?

```
Can we only have a single RXR?
MSH
PID
[PV1]
ORC
{
RXG
[TQ1]
RXR
OBX (multiple)
}
```

- Current TF states:
- Step number in RXG-1 (values are 1...n)
- An OBX segment to indicate the type of the current step
- OBX-3 = MDCX_INFUS_ORDER_STEP_TYPE
- enumerations are "loading dose" or "continuous"
- “loading dose” is optional and supported in step 1 only
- An OBX segment to indicate the total number of steps in the program
- OBX-3 = MDCX_INFUS_TOTAL_NUM_STEPS
- Additional OBX segments containing the pump ID or patient parameters (e.g. height, weight, BSA) as required