

UNICORN 7.3.0

1(16)

User: AM/c304117 4/2/2024 3:10:23 PM -04:00

Method: v002 Scouting Method LA1031 Protein A

Text instructions

Main method:

0.00 Base: CV, Vc=42.465 {l}, LA1031_ProteinA_26pt7cm_H_X_45cm_D

0.00 Phase: Method Settings

0.00 Base: SameAsMain

0.00 Phase: User Defined

0.00 Base: SameAsMain

0.00 Set mark: (Result_Name)#Result_Name

0.00 Block: Start_Conditions

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Disabled

0.00 Flow warning: Disabled

0.00 FlowDeviation_FIT_PA: 20.0 {l/hour}, -20.0 {l/hour}, 300.0 {sec}, Enabled

0.00 FlowDeviation_FIT_PB: 20.0 {l/hour}, -20.0 {l/hour}, 300.0 {sec}, Enabled

0.00 PIT_PA: 5.00 {bar}, 0.00 {bar}, 3.50 {bar}, 0.00 {bar}, 0.00 {bar}, Enabled

Comment: Reduce flow deviation if method will require flowrate less than 10 L/hr

0.00 PIT_PB: 3.00 {bar}, 0.00 {bar}, 2.80 {bar}, 0.00 {bar}, 0.00 {bar}, Enabled

0.00 Wavelength: 280 {nm}, 0 {nm}, 0 {nm}

0.00 End_Block

Comment: THROUGHOUT: ManFlow 60% for 3/4" skid. ManFlow 100% for 3/8" and 1/2" skid

Comment: THROUGHOUT: Update inlet purges throughout to 7L, 10L, 15L for 3/8, 1/2, 3/4 respectively

0.00 Block: (Startup_Blocks)#Startup_Blocks

0.00 Base: SameAsMain

0.00 Block: Prepare_Purge_Col_Bypass

0.00 Base: Time, ColumnSameAsMain

0.00 Message: Prepare to purge column bypass line. Ensure column is bypassed., Screen, No sound

0.00 Pause: Infinite {min}

0.01 End_Block

0.00 Block: Purge_Inlet_5_Col_Bypass

0.00 Base: Volume, ColumnSameAsMain

0.00 Air_Alarm: Disabled, Disabled

0.00 Inlet: Closed, Inlet5

0.00 BubbleTrap: Bypass

0.00 Filter: Bypass

0.00 Column: UpFlow

0.00 Outlet: Waste

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```
0.00    ManFlow: 60.0 {%}
0.00    Set mark: Purge column bypass line with resin storage
solution.
15.00    Column: DownFlow
30.00    End_Block
0.00    Block: Place_Column_Inline
0.00    Base: Time, ColumnSameAsMain
0.00    Message: Close valves to column bypass loop and open column
valves (column inline)., Screen, No sound
0.00    Pause: Infinite {min}
0.01    End_Block
0.00    Block: Purge_Inlet_Sample
0.00    Base: Volume, ColumnSameAsMain
0.00    Air_Alarm: Disabled, Disabled
0.00    Inlet: Sample, Closed
0.00    BubbleTrap: Bypass
0.00    Filter: Bypass
0.00    Column: Bypass_Both
0.00    Outlet: Waste
0.00    ManFlow: 60.0 {%}
0.00    Set mark: Purge Inlet Sample with QD00015
15.00    End_Block
0.00    Block: Connect_Equil_to_Inlet_1
0.00    Base: Time, ColumnSameAsMain
0.00    Message: Connect the QD00015 to Inlet 1 and open clamps.,
Screen, No sound
0.00    Pause: Infinite {min}
0.01    End_Block
0.00    Block: Purge_Inlet_4
0.00    Base: Volume, ColumnSameAsMain
0.00    Air_Alarm: Disabled, Disabled
0.00    Inlet: Closed, Inlet4
0.00    BubbleTrap: Bypass
0.00    Filter: Bypass
0.00    Column: Bypass_Both
0.00    Outlet: Waste
0.00    ManFlow: 60.0 {%}
0.00    Set mark: Purge Inlet 4: QD00009
15.00    End_Block
0.00    Block: Purge_Inlet_6
0.00    Base: Volume, ColumnSameAsMain
0.00    Air_Alarm: Disabled, Disabled
0.00    Inlet: Closed, Inlet6
0.00    BubbleTrap: Bypass
```

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```
0.00 Filter: Bypass
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Purge Inlet 6: QD00217
15.00 End_Block
0.00 Block: Purge_Inlet_7
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Closed, Inlet7
0.00 BubbleTrap: Bypass
0.00 Filter: Bypass
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Purge Inlet 7: QD00121
15.00 End_Block
0.00 Block: Purge_Inlet_2
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Inlet2, Closed
0.00 BubbleTrap: Bypass
0.00 Filter: Bypass
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Purge Inlet 2: QD00449
15.00 End_Block
0.00 Block: Purge_Inlet_3
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Inlet3, Closed
0.00 BubbleTrap: Bypass
0.00 Filter: Bypass
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 Set mark: Purge Inlet 3: QD00120
0.00 ManFlow: 60.0 {%}
15.00 End_Block
0.00 End_Block
0.00 Block: (Prepare_Purge_Skid_Filter)#Prepare_Purge_Skid_Filter
0.00 Base: Time, ColumnSameAsMain
0.00 Message: Prepare to purge the skid filter., Screen, No sound
0.00 Pause: Infinite {min}
```

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```
0.01 End_Block
0.00 Block: (Purge_Skid_Filter_Inlet_1)#Purge_Skid_Filter_Inlet_1
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Inlet1, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Filter Wetting and Purge of Inlet 1 with QD00015
20.00 End_Block
0.00 Block: (Flush_Outlet_Mainstreams_Equil)
#Flush_Outlet_Mainstreams_Equil
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Inlet1, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: Bypass_Both
0.00 Fractions: 2, 5.0 {1}, Outlet1
Comment: Set the end block volume to number of mainstreams times 5L
per outlet flush
10.00 End_Block
0.00 Block: (Pause_attach_outlet_containers)
#Pause_attach_outlet_containers
0.00 Base: Time, ColumnSameAsMain
0.00 Message: Attach Outlets to effluent containers per ticket
instructions., Screen, No sound
0.00 Pause: Infinite {min}
0.01 End_Block
0.00 Block: (MabSelect_SuRe_Pre_Use_Rinse_And_Sanitization)
#MabSelect_SuRe_Pre_Use_Rinse_And_Sanitization
0.00 Base: SameAsMain
0.00 Block: Column_Buffer_Rinse_1
0.00 Base: SameAsMain
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet1, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Pre_Use_Col_Clean_1_Flowrate {cm/h}
```

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Comment: Set velocity to match that in the Pre_Use_Column_Clean_1 block

0.00 Set mark: Column Buffer Rinse 1: 50mM Tris, pH 8

0.50 Snapshot: Column Buffer Rinse 1 End

0.50 End_Block

0.00 Block: Pre_Use_Column_Clean_1

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PB_Totalizer_Reset

0.00 Inlet: Closed, Inlet4

0.00 BubbleTrap: Inline

0.00 Filter: Inline

0.00 Column: DownFlow

0.00 Outlet: Waste

0.00 Flow: (300)#Pre_Use_Col_Clean_1_Flowrate {cm/h}

Comment: Set velocity to max allowable by PFC

0.00 Set mark: Pre-use Column Clean 1

2.00 Snapshot: Pre-Use Column Clean 1 End

2.00 End_Block

0.00 Block: Pre_Use_Clean_1_Pause_Complete_Sani

0.00 Base: Time, ColumnSameAsMain

0.00 Pause: 30.00 {min}

Comment: For selected sani velocity calculate 1 CV time.Subtract this time from PFC sani time to get pause

0.00 End_Block

0.00 End_Block

0.00 Block: Purge_B_Pump

0.00 Base: Volume, ColumnSameAsMain

0.00 Air_Alarm: Disabled, Disabled

0.00 Inlet: Closed, Inlet7

Comment: Change inlet to match first inlet used from B pump

0.00 BubbleTrap: Bypass

0.00 Filter: Bypass

0.00 Column: Bypass_Both

0.00 Outlet: Waste

0.00 ManFlow: 60.0 {%}

0.00 Set mark: Purge Inlet 7: QD00121

15.00 End_Block

0.00 Block: Purge_A_Pump

0.00 Base: Volume, ColumnSameAsMain

0.00 Air_Alarm: Disabled, Disabled

0.00 Inlet: Inlet1, Closed

0.00 BubbleTrap: Inline

0.00 Filter: Inline

?

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```
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Purge Inlet 1: QD00015
15.00 End_Block
0.00 Block: MabSelect SuRe Equilibration
0.00 Base: SameAsMain
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet1, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Equilibration Flowrate {cm/h}
0.00 Set mark: Column Equil
2.00 Snapshot: Equil End
2.00 End_Block
0.00 Block: UV_Auto_Zero
0.00 Base: Time, ColumnSameAsMain
0.00 AT_PF_AZ
0.10 End_Block
0.00 Block: (Connect_Charge_to_Inlet_Sample)
#Connect_Charge_to_Inlet_Sample
0.00 Base: Time, ColumnSameAsMain
0.00 Message: Connect Charge to Inlet Sample and open clamps.,
Screen, No sound
0.00 Pause: Infinite {min}
0.01 End_Block
0.00 Block: Charge
0.00 Base: Volume, ColumnSameAsMain
0.00 Snapshot: Charge Begin
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Sample, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Charge_Flowrate {cm/h}
0.00 Set mark: Column Charge
(850.00)#Set_Charge_Volume Snapshot: Charge End
850.00 End_Block
0.00 Block: Column_Wash_1
```

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```
0.00 Base: SameAsMain
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet3, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Col_Wash_1_Flowrate {cm/h}
0.00 Set mark: Column_Wash_1
2.00 Snapshot: Wash 1 End
2.00 End_Block
0.00 Block: Wash_2_System_Flush
0.00 Base: Volume, ColumnSameAsMain
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Closed, Inlet7
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 Flow: (300)#Col_Wash_2_Flowrate {cm/h}
0.00 Set mark: System Flush: QD00121
15.00 End_Block
0.00 Block: Column_Wash_2
0.00 Base: SameAsMain
0.00 New chromatogram: Wash2Chromatogram
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PB_Totalizer_Reset
0.00 Inlet: Closed, Inlet7
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Col_Wash_2_Flowrate {cm/h}
0.00 Injection_Mark
0.00 Set mark: Column Wash 2
0.50 Watch: AT_PF_UV_1, Greater than, (3.0000)#Post_Charge_Wash_UV
{AU}, Pause_Warning_High_UV
0.00 Base: SameAsMain
0.00 Message: Warning: HIGH UV. Contact MA, TS or Supervision.,
Screen, No sound
0.00 Pause: Infinite {min}
0.00 End_Block
3.00 Snapshot: Wash 2 End
```

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3.00 End_Block

0.00 Block: Column_Wash_3

0.00 Base: SameAsMain
0.00 New chromatogram: PostWash2Chrom
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet3, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
0.00 Flow: (300)#Col_Wash_3_Flowrate {cm/h}
0.00 Set mark: Column Wash 3
2.00 Snapshot: Wash 3 End
2.00 Watch off: AT_PF_UV_1
2.00 End_Block

0.00 Block: Flush_Skid_Inlet_2_Elution

0.00 Base: Volume, ColumnSameAsMain
0.00 Watch off: AT_PF_UV_1
0.00 Air_Alarm: Disabled, Disabled
0.00 Inlet: Inlet2, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: Bypass_Both
0.00 Outlet: Waste
0.00 ManFlow: 60.0 {%}
0.00 Set mark: Flush skid with Elution buffer
3.00 Flow: (300)#Elution_Flowrate {cm/h}
4.00 Air_Alarm: Disabled, Enabled
15.00 End_Block

0.00 Block: (Elution)#Elution

0.00 Base: SameAsMain
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet2, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
Comment: FS will go to Outlet Waste
0.00 Flow: (300)#Elution_Flowrate {cm/h}
0.00 Set mark: Elution - FS
0.00 Snapshot: Start FS
0.00 Watch: PIT_PA., Greater than, 3.00 {bar}, Elution_Message

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```
0.00 Base: SameAsMain
0.00 Message: Pause during elution may trigger UV and impact
mainstream collection, Screen, No sound
0.00 End_Block
0.00 Watch: PIT_PB., Greater than, 2.50 {bar}, Elution_Message_PB
0.00 Base: SameAsMain
0.00 Message: Pause during elution may trigger UV and impact
mainstream collection, Screen, No sound
0.00 End_Block
0.00 Watch: PIT_PB., Greater than, 2.70 {bar}, Slow_Flow
0.00 Base: SameAsMain
0.00 Flow: (250)#Reduced_Elution_Flow {cm/h}
Comment: Reduced Elution Flow should be 50 cm/h less than Elution
Flow
0.00 End_Block
Comment: LHM4320 2mm Path Length Compensation Factor = 4.50
0.00 Block: Watch_UV
0.00 Base: SameAsMain
0.00 Watch: AT_PF_UV_1, Greater than, 0.2222 {AU}, Collect_Peak
0.00 Base: SameAsMain
0.00 Outlet: (Outlet1)#MS_Outlet
0.00 Set mark: Elution - MS
0.00 Snapshot: Start MS Collection
0.00 Watch: AT_PF_UV_1, Greater than, 0.7500 {AU},
watch_Less_Than
0.00 Base: SameAsMain
0.00 Watch: AT_PF_UV_1, Less than, 0.2222 {AU}, End block
0.00 End_Block
0.00 End_Block
0.00 End_Block
5.00 Snapshot: Elution End
5.00 Watch off: AT_PF_UV_1
5.00 Watch off: PIT_PA.
5.00 Watch off: PIT_PB.
5.00 End_Block
0.00 Block: (Elution_Full_Backside)#Elution_Full_Backside
0.00 Base: SameAsMain
0.00 Air_Alarm: Disabled, Enabled
0.00 FIT_PA_Totalizer_Reset
0.00 Inlet: Inlet2, Closed
0.00 BubbleTrap: Inline
0.00 Filter: Inline
0.00 Column: DownFlow
0.00 Outlet: Waste
```

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Comment: FS will go to Outlet Waste

0.00 Flow: (300)#Elution_Flowrate {cm/h}

0.00 Set mark: Elution - FS

0.00 Snapshot: Start FS

0.00 Watch: PIT_PA., Greater than, 3.00 {bar}, Elution_Message_1

0.00 Base: SameAsMain

0.00 Message: Pause during elution may trigger UV and impact mainstream collection, Screen, No sound

0.00 End_Block

0.00 Watch: PIT_PB., Greater than, 2.50 {bar}, Elution_Message_PB_1

0.00 Base: SameAsMain

0.00 Message: Pause during elution may trigger UV and impact mainstream collection, Screen, No sound

0.00 End_Block

0.00 Watch: PIT_PB., Greater than, 2.70 {bar}, Slow_Flow

0.00 Base: SameAsMain

0.00 Flow: (250)#Reduced_Elution_Flow {cm/h}

Comment: Reduced Elution Flow should be 50 cm/h less than Elution Flow

0.00 End_Block

Comment: LHM4320 2mm Path Length Compensation Factor = 4.50

0.00 Block: Watch_UV_1

0.00 Base: SameAsMain

0.00 Watch: AT_PF_UV_1, Greater than, 0.2222 {AU}, Collect_Peak_1

0.00 Base: SameAsMain

0.00 Outlet: (Outlet1)#MS_Outlet

0.00 Set mark: Elution - MS

0.00 Snapshot: Start MS Collection

**0.00 Watch: AT_PF_UV_1, Greater than, 0.7500 {AU},
watch_Less_Than_1**

0.00 Base: SameAsMain

0.00 Watch: AT_PF_UV_1, Less than, 0.2222 {AU}, stop_Collect

0.00 Base: SameAsMain

0.00 Outlet: Waste

0.00 Set mark: Elution - BS

0.00 Snapshot: MS Collection End - Start BS

Comment: BS will go to Outlet Waste

0.00 End_Block

0.00 End_Block

0.00 End_Block

0.00 End_Block

5.00 Snapshot: Elution End

5.00 Watch off: AT_PF_UV_1

5.00 Watch off: PIT_PA.

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5.00 Watch off: PIT_PB.

5.00 End_Block

0.00 Block: Column_Regeneration

0.00 Base: SameAsMain

0.00 Snapshot: Mainstream End, Regeneration Begin

0.00 Watch off: AT_PF_UV_1

0.00 Watch off: PIT_PA.

0.00 Watch off: PIT_PB.

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PB_Totalizer_Reset

0.00 Inlet: Closed, Inlet6

0.00 BubbleTrap: Inline

0.00 Filter: Inline

0.00 Column: UpFlow

0.00 Outlet: Waste

0.00 Flow: (300)#Col_Regen_Flowrate {cm/h}

0.00 Set mark: Post_Use Column_Regeneration

2.00 FlowDeviation_FIT_PA: 20.0 {1/hour}, -20.0 {1/hour}, 300.0 {sec}, Disabled

2.00 FlowDeviation_FIT_PB: 20.0 {1/hour}, -20.0 {1/hour}, 300.0 {sec}, Disabled

2.00 Snapshot: Regeneration End

2.00 End_Block

0.00 Block: Pause_Column_Regeneration

0.00 Base: Time, ColumnSameAsMain

0.00 Pause: 30.00 {min}

Comment: For selected sani velocity, calculate 1 CV time. Subtract this time from PFC sani time to get pause

0.01 End_Block

0.00 Block: (MabSelect_SuRe_Post_Rinse_And_Sanitization)**#MabSelect_SuRe_Post_Rinse_And_Sanitization**

0.00 Base: SameAsMain

0.00 Block: Rinse_1

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PA_Totalizer_Reset

0.00 Inlet: Inlet1, Closed

0.00 BubbleTrap: Inline

0.00 Filter: Inline

0.00 Column: UpFlow

0.00 Outlet: Waste

0.00 Flow: (300)#SuRe_Sani_Flowrate {cm/h}

0.00 Set mark: Rinse 1: QD00015

0.50 Snapshot: Rinse 1 End

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0.50 End_Block

0.00 Block: Clean_1

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PB_Totalizer_Reset

0.00 Inlet: Closed, Inlet4

0.00 BubbleTrap: Inline

0.00 Filter: Inline

0.00 Column: UpFlow

0.00 Outlet: Waste

0.00 Flow: (300)#SuRe_Sani_Flowrate {cm/h}

Comment: Set sani flowrate to max allowable by PFC

0.00 Set mark: Column Clean 1: QD00009

2.00 Snapshot: Clean 1 End

2.00 End_Block

0.00 Block: Pause_Clean_1_Complete_Sani

0.00 Base: Time, ColumnSameAsMain

0.00 Pause: 30.00 {min}

Comment: For selected sani velocity, calculate 1 CV time. Subtract this time from PFC sani time to get pause

0.00 End_Block

0.00 End_Block

Comment: Keep for Mab Select SuRe, Delete for Mab Select

0.00 Block: (Column Storage)#(Column_Storage)#Column_Storage

0.00 Base: SameAsMain

0.00 Block: Storage Rinse

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PA_Totalizer_Reset

0.00 Inlet: Inlet1, Closed

0.00 BubbleTrap: Inline

0.00 Filter: Inline

0.00 Column: UpFlow

0.00 Outlet: Waste

0.00 Flow: (300)#SuRe_Sani_Flowrate {cm/h}

0.00 Set mark: Storage Rinse: QD00015

0.50 Snapshot: Storage Rinse End

0.50 End_Block

0.00 Block: Storage

0.00 Base: SameAsMain

0.00 Air_Alarm: Disabled, Enabled

0.00 FIT_PB_Totalizer_Reset

0.00 Inlet: Closed, Inlet5

0.00 BubbleTrap: Inline

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```

    0.00    Filter: Inline
    0.00    Column: UpFlow
    0.00    Outlet: Waste
    0.00    Flow: (300)#Col_Storage_Flowrate {cm/h}
    2.00    Snapshot: Storage End
    2.00    End_Block
0.00    End_Block
0.00    Block: (Blank)#Blank
    0.00    Base: SameAsMain
    0.00    End_Block
0.00    Block: Return_to_Default
    0.00    Base: Time, Any
    0.00    ManFlow: 0.0 {%}
    0.05    Filter: Bypass
    0.10    Column: Bypass_Both
    0.15    BubbleTrap: Inline
    0.15    Inlet: Closed, Closed
    0.50    Outlet: Closed
    0.50    End_Block
0.00    Block: End_of_Run_Delay
    0.00    Base: Time, Any
    0.10    End_Block

```

Scouting

| Run | Included | Startup_Blocks | Prepare_Purge_Sk id_Filter | Purge_Skid_Filte r_Inlet_1 |
|-----|----------|------------------------------------|------------------------------------|---|
| 1 | Yes | Startup_Blocks | Prepare_Purge_Sk id_Filter | Purge_Skid_Filte r_Inlet_1 |
| 2 | Yes | Blank | Blank | Blank |
| 3 | Yes | Blank | Blank | Blank |
| 4 | Yes | Blank | Blank | Blank |
| 5 | Yes | Blank | Blank | Blank |
| 6 | Yes | Blank | Blank | Blank |
| Run | Included | Flush_Outlet_Mai nstreams_Equil | Pause_attach_out let_containers | MabSelect_SuRe_P re_Use_Rinse_And _Sanitization |
| 1 | Yes | Flush_Outlet_Mai nstreams_Equil | Pause_attach_out let_containers | MabSelect_SuRe_P re_Use_Rinse_And _Sanitization |
| 2 | Yes | Blank | Blank | Blank |
| 3 | Yes | Blank | Blank | Blank |
| 4 | Yes | Blank | Blank | Blank |
| 5 | Yes | Blank | Blank | Blank |
| 6 | Yes | Blank | Blank | Blank |

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User: AM/c304117 4/2/2024 3:10:23 PM -04:00

Method: v002 Scouting Method LA1031 Protein A

| Run | Included | Pre_Use_Col_Clean_1_Flowrate | Equilibration Flowrate | Connect_Charge_to_Inlet_Sample |
|-----|----------|------------------------------|------------------------|--------------------------------|
| 1 | Yes | 300 | 300 | Connect_Charge_to_Inlet_Sample |
| 2 | Yes | 300 | 300 | Blank |
| 3 | Yes | 300 | 300 | Blank |
| 4 | Yes | 300 | 300 | Blank |
| 5 | Yes | 300 | 300 | Blank |
| 6 | Yes | 300 | 300 | Blank |

| Run | Included | Charge_Flowrate | Set_Charge_Volume | Col_Wash_1_Flowrate |
|-----|----------|-----------------|-------------------|---------------------|
| 1 | Yes | 300 | 850.00 | 300 |
| 2 | Yes | 300 | 850.00 | 300 |
| 3 | Yes | 300 | 850.00 | 300 |
| 4 | Yes | 300 | 850.00 | 300 |
| 5 | Yes | 300 | 850.00 | 300 |
| 6 | Yes | 300 | 850.00 | 300 |

| Run | Included | Col_Wash_2_Flowrate | Post_Charge_Wash_UV | Col_Wash_3_Flowrate |
|-----|----------|---------------------|---------------------|---------------------|
| 1 | Yes | 300 | 3.0000 | 300 |
| 2 | Yes | 300 | 3.0000 | 300 |
| 3 | Yes | 300 | 3.0000 | 300 |
| 4 | Yes | 300 | 3.0000 | 300 |
| 5 | Yes | 300 | 3.0000 | 300 |
| 6 | Yes | 300 | 3.0000 | 300 |

| Run | Included | Elution_Flowrate | Elution | Reduced_Elution_Flow |
|-----|----------|------------------|---------|----------------------|
| 1 | Yes | 300 | Blank | 250 |
| 2 | Yes | 300 | Elution | 250 |
| 3 | Yes | 300 | Elution | 250 |
| 4 | Yes | 300 | Elution | 250 |
| 5 | Yes | 300 | Elution | 250 |
| 6 | Yes | 300 | Elution | 250 |

| Run | Included | MS_Outlet | Elution_Full_Backside | Col_Regen_Flowrate |
|-----|----------|-----------|-----------------------|--------------------|
| 1 | Yes | Outlet1 | Elution_Full_Backside | 300 |
| 2 | Yes | Outlet1 | Blank | 300 |
| 3 | Yes | Outlet1 | Blank | 300 |
| 4 | Yes | Outlet2 | Blank | 300 |
| 5 | Yes | Outlet2 | Blank | 300 |
| 6 | Yes | Outlet2 | Blank | 300 |

UNICORN 7.3.0

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User: AM/c304117 4/2/2024 3:10:23 PM -04:00

Method: v002 Scouting Method LA1031 Protein A

| Run | Included | MabSelect_SuRe_P (Column_Storage) ost_Rinse_And_Sa #Column_Storage nitization | Col_Storage_Flow rate |
|-----|----------|---|--------------------------|
| 1 | Yes | Blank | 300 |
| 2 | Yes | Blank | 300 |
| 3 | Yes | Blank | 300 |
| 4 | Yes | MabSelect_SuRe_P ost_Rinse_And_Sa nitization | Blank 300 |
| 5 | Yes | Blank | Blank 300 |
| 6 | Yes | MabSelect_SuRe_P ost_Rinse_And_Sa nitization | Column Storage 300 |

| Run | Included | Blank |
|-----|----------|-------|
| 1 | Yes | Blank |
| 2 | Yes | Blank |
| 3 | Yes | Blank |
| 4 | Yes | Blank |
| 5 | Yes | Blank |
| 6 | Yes | Blank |

Method information

Signatures

Date:4/2/2024 3:09:05 PM -04:00

Description:This method is signed for LA1031 Protein A .

User name:c304117

Full name:Helen Corbat

Job title:Engineer - BRD Technical Operations

Lock status:The item is locked

Questions

No. 1: Is QD00015 connected to Inlet Sample?

Question type: Mandatory

Answer type: Multiple choice

No. 2: Is QD00449 connected to Inlet 2?

Question type: Mandatory

Answer type: Multiple choice

No. 3: Is QD00120 connected to Inlet 3?

Question type: Mandatory

Answer type: Multiple choice

No. 4: Is QD00009 connected to Inlet 4?

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User: AM/c304117 4/2/2024 3:10:23 PM -04:00

Method: v002 Scouting Method LA1031 Protein A

Question type: Mandatory

Answer type: Multiple choice

No. 5: Is QD00249 connected to Inlet 5?

Question type: Mandatory

Answer type: Multiple choice

No. 6: Is QD00217 connected to Inlet 6?

Question type: Mandatory

Answer type: Multiple choice

No. 7: Is QD00121 connected to Inlet 7?

Question type: Mandatory

Answer type: Multiple choice

No. 8: Ensure Outlet Waste directed to AWN?

Question type: Mandatory

Answer type: Multiple choice

No. 9: Ensure Secondary Waste is set up appropriately?

Question type: Mandatory

Answer type: Multiple choice