

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_Skid_Filter	Purge_Skid_Filter_Inlet_1
1	Yes	Startup_Blocks	Prepare_Purge_Skid_Filter	Purge_Skid_Filter_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_Mainstreams_Equil	Pause_attach_outlet_containers	MabSelect_SuRe_Pre_Use_Rinse_And_Sanitization
1	Yes	Flush_Outlet_Mainstreams_Equil	Pause_attach_outlet_containers	MabSelect_SuRe_Pre_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

UNICORN 7.3.0

14(16)

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

15(16)

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