

// Generated: Wednesday, June 04, 2014 10:22:34 AM

profile MSK

{

 // Runtime settings

runtime

 (Mode = 'Simulation', IsAccelerated = 'Yes', IsHybridExecution = 'No',
 AuditOnSimulate = 'Yes', LogOnSimulate = 'Yes', EnableSimulationEmailNotification = 'No',
 HibernateOnSimulate = 'No', EnableFixedStartTime = 'Yes',
 SimulationStartTime = '1/28/2014 12:00 AM', AllowNewIterationsOnDeviceError = 'No',
 EnableCongestionDetection = 'Yes', CongestionClearQueueTimeThreshold = '00:02:00',
 MaxQueueTimeThreshold = '00:05:00', EnableVerboseLogging = 'No',
 EnableExperiments = 'Yes', EnableCampaigns = 'Yes', AutoOffline = 'No',
 SimplifiedInterface = 'No', ContainerLoadPrompting = 'Yes',
 ContainerUnloadPrompting = 'Yes', AutoUnload = 'No') ;

// Devices and settings

devices

{

 KeyenceSR600 BarCode

 (OperationDefaults = '', Active = 'Active') ;

 MultidropCombi Combi

 (InitFluid = 'Default Fluid', PrimeWhenIdle = 'No',
 PrimeOnInitialization = 'Yes', PrimeVolumeWhenIdle = '10',
 PrimeIntervalWhenIdle = '5', CassetteUI = '1', OperationDefaults = '',
 Active = 'Active') ;

 ContainerDataDriver ContainerDataDriver

 (ExcelPass = 'Momentum1', SummaryFormat = 'CSV', SummaryFilename = '',
 SummaryColumns = 'DateTime,Location', OperationDefaults = '',
 Active = 'Active') ;

 CytomatHotel CytomatHotel

 (ShakeDuringIncubate = 'No', RPMT1 = '100', RPMT2 = '100',
 ScanBarcodeOnGet = 'Yes', FAMModeEnabled = 'No', SearchMode = 'Entire Device',
 HotelsOccupancyLabel = '<Click to Edit ...>', ContainersParticipationLabel = '<Click to Edit ...>',
 OperationDefaults = '', Active = 'Active') ;

DataMiner DataMiner

```
(OperationDefaults = '', Active = 'Active') ;
```

FreedomEVO EVO

```
(ProtocolPath = '\\\\Tecan-hp8300\\C\\ProgramData\\Tecan\\EVOware\\database\\scripts',
```

```
ParkScript = 'ThermoTest_Safe_Left.esc', ExecuteParkMethod = 'Yes',
```

```
UserName = 'Admin', UserPass = 'admin1', OperationDefaults = 'Thermo.Automation.Devices.Instruments.Tecan.FreedomEVO.RunScriptParameter\\Result~\\'\\';
```

```
Active = 'Active') ;
```

FileManager FileManager

```
(OperationDefaults = '', Active = 'Active') ;
```

FreeNest FreeNest

```
(OperationDefaults = '', Active = 'Inactive') ;
```

HiG4Centrifuge HiG4Centrifuge

```
(CounterWeight = 'Bucket2', OperationDefaults = '',
```

```
Active = 'Active') ;
```

Hotel Hotel_1

```
(OperationDefaults = '', Active = 'Active') ;
```

Hotel Hotel_2

```
(OperationDefaults = '', Active = 'Active') ;
```

InfiniteReader Infinite

```
(ProtocolPathListUI = '<Click Button to Edit>', KeepDoorOpenBetweenRead = 'No',
```

```
OperationDefaults = '', Active = 'Active') ;
```

IncuShake Inheco

```
(XFreq = '142', YFreq = '142', XAmp = '20', YAmp = '20',
```

```
XYPhaseShift = '0', OnlineTemp = '-1', OfflineTemp = '-1',
```

```
ShakeDuringLoadIncubate = 'No', UseExactDuration = 'No',
```

```
OperationDefaults = '', Active = 'Active') ;
```

LC480 LC480

```
(OperationDefaults = '', Active = 'Active') ;
```

MomentumOperator MomentumOperator

```
(OperationDefaults = '', Active = 'Active') ;
```

GenericMover Orbitor

```
(ParkLocation = 'STDloc:safe', ParkMoverAtEndOfRun = 'Yes',
```

```
MotionSettings = 'Velocity: 100%, Acceleration: 100%, Jerk: 100%',
```

```
AllowLidding = 'Yes', OperationDefaults = '', Active = 'Active') ;
```

PlateLoc PlateLoc

```
(PlateLocProfileName = 'Seal', PreHeatingTemperature = '160',
```

```
PostCoolOffTemperature = '40', CloseStageOnLoad = 'Yes',
```

```

    OperationDefaults = '', Active = 'Active') ;
Regrip Regrip
    (OperationDefaults = '', Active = 'Active') ;
AgilentMicroplateLabeler Vcode
    (ProfileName = 'LOR3413', OperationDefaults = '', Active = 'Active') ;
Waste Waste
    (OperationDefaults = '', Active = 'Active') ;
}

// Device Pools

pools
{
    StoragePool Hotels
        (Strategy = 'Priority First Available', ResetOnNewWorkUnit = 'Yes',
        SkipError = 'No', SkipOffline = 'No', OfflineSkipDuration = '00:00:00') Hotel_1, Hotel_2 ;
}

// Profile variables

variables
{
    Boolean Lock
        (DefaultValue = 'No', PromptForValue = 'No', Persist = 'No',
        Comments = '') ;
}

// ***** Version 1 *****
// User: Admin Date: Wednesday, April 23, 2014 Time: 1:47:26 PM

// ***** Version 2 *****
// User: Admin Date: Wednesday, April 23, 2014 Time: 2:24:46 PM

// ***** Version 3 *****
// User: Admin Date: Wednesday, April 23, 2014 Time: 2:26:47 PM

// ***** Version 4 *****

```

```
// User: Admin   Date: Wednesday, April 23, 2014 Time: 2:28:21 PM
```

```
// ***** Version 5 *****
```

```
// User: Admin   Date: Wednesday, April 23, 2014 Time: 2:31:51 PM
```

```
process [Final SAT 1 FluorescenceAssay_VER3]
```

```
{
```

```
  // Containers
```

```
containers
```

```
{
```

```
  plate AssayPlate
```

```
    (WithLidOffset = '0', MoverLiddingGripOffset = '0',  
     WithLidHeight = '17', Thickness = '1', SealThickness = '0',  
     Lid = '(None)', NumberOfWellRows = '8', NumberOfWellColumns = '12',  
     WellNumberingMethod = 'Rows', ContainerTypeNameId = '',  
     BarCodeRegularExpression = '', BarCodeFile = '',  
     BarCodeAutoExpression = '"NC" + Format(Now, "yyMMddHHmmss") + "." + Format(WallClock, "fff")',  
     GripOffset = 'Identity', GripForce = '0', Height = '15',  
     StackHeight = '13.13', SetSize = '4', Attributes = '') ;
```

```
  plate Buffer
```

```
    (WithLidOffset = '0', MoverLiddingGripOffset = '0',  
     WithLidHeight = '17', Thickness = '1', SealThickness = '0',  
     Lid = '(None)', NumberOfWellRows = '8', NumberOfWellColumns = '12',  
     WellNumberingMethod = 'Rows', ContainerTypeNameId = '',  
     BarCodeRegularExpression = '', BarCodeFile = '',  
     BarCodeAutoExpression = '"NC" + Format(Now, "yyMMddHHmmss") + "." + Format(WallClock, "fff")',  
     GripOffset = '{[0, 0, 29.5], ([0, 0, 0], 1)}',  
     GripForce = '0', Height = '15', StackHeight = '13.13',  
     SetSize = '1', Attributes = '') ;
```

```
  plate CompStockPlate
```

```
    (WithLidOffset = '0', MoverLiddingGripOffset = '0',  
     WithLidHeight = '17', Thickness = '1', SealThickness = '0',  
     Lid = '(None)', NumberOfWellRows = '8', NumberOfWellColumns = '12',  
     WellNumberingMethod = 'Rows', ContainerTypeNameId = '',
```

```
BarCodeRegularExpression = '', BarCodeFile = '',
BarCodeAutoExpression = '"NC" + Format(Now, "yyMMddHHmmss") + "." + Format(WallClock, "fff")',
GripOffset = 'Identity', GripForce = '0', Height = '15',
StackHeight = '13.13', SetSize = '1', Attributes = '' ) ;
```

plate Dilution

```
(WithLidOffset = '0', MoverLiddingGripOffset = '0',
WithLidHeight = '17', Thickness = '1', SealThickness = '0',
Lid = '(None)', NumberOfWellRows = '8', NumberOfWellColumns = '12',
WellNumberingMethod = 'Rows', ContainerTypeNameId = '',
BarCodeRegularExpression = '', BarCodeFile = '',
BarCodeAutoExpression = '"NC" + Format(Now, "yyMMddHHmmss") + "." + Format(WallClock, "fff")',
GripOffset = '{[0, 0, 26], ([0, 0, 0], 1)}',
GripForce = '0', Height = '15', StackHeight = '13.13',
SetSize = '1', Attributes = '' ) ;
```

plate ProteinPlate

```
(WithLidOffset = '0', MoverLiddingGripOffset = '0',
WithLidHeight = '17', Thickness = '1', SealThickness = '0',
Lid = '(None)', NumberOfWellRows = '8', NumberOfWellColumns = '12',
WellNumberingMethod = 'Rows', ContainerTypeNameId = '',
BarCodeRegularExpression = '', BarCodeFile = '',
BarCodeAutoExpression = '"NC" + Format(Now, "yyMMddHHmmss") + "." + Format(WallClock, "fff")',
GripOffset = 'Identity', GripForce = '0', Height = '15',
StackHeight = '13.13', SetSize = '1', Attributes = '' ) ;
```

}

// Process variables

variables

```
{
String BarCode_1
(DefaultValue = '', PromptForValue = 'No', Persist = 'No',
Comments = '' ) ;
String BarCode_2
(DefaultValue = '', PromptForValue = 'No', Persist = 'No',
Comments = '' ) ;
```

```

String BarCode_3
  (DefaultValue = '', PromptForValue = 'No', Persist = 'No',
  Comments = '') ;
String BarCode_4
  (DefaultValue = '', PromptForValue = 'No', Persist = 'No',
  Comments = '') ;
Integer BC_Counter
  (DefaultValue = '1', PromptForValue = 'No', Persist = 'No',
  Comments = '') ;
}

// Process steps

EVO [RunScript]
  (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
  MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
  PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:02:00',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Buffer 'Unlidded' in 'EVOHotel_Right(1)',
  CompStockPlate 'Unlidded' in 'EVOHotel_Left(1)',
  Dilution 'Unlidded' in 'EVOHotel_Right(2)',
  ProteinPlate 'Unlidded' in 'EVOHotel_Left(2)' ;

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Buffer,
  CompStockPlate,
  Dilution,
  ProteinPlate ;

acquire (Lock) ;

```

```

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  if ('AssayPlate.SetPosition>=3')
  {
    if ('AssayPlate.SetPosition=4')
    {
      set BarCode_4 = '"AA4-"+Iteration' ;

Vcode [Print and Apply]
  (Format = '1', Sides = 'East-West', DropStage = 'True',
AutomaticRetry = 'No', Field1 = $BarCode_4,
Field2 = $BarCode_4, Field3 = 'field2',
Field4 = 'field3', Field5 = 'field4', Field6 = 'field5',
AssignBarcodeIfSuccessful = 'False', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
  AssayPlate 'Unlidded' in 'Nest' ;
    }
  else
  {
    set BarCode_3 = '"AA3-"+Iteration' ;

Vcode [Print and Apply]
  (Format = '1', Sides = 'East-West', DropStage = 'True',
AutomaticRetry = 'No', Field1 = $BarCode_3,
Field2 = $BarCode_3, Field3 = 'field2',
Field4 = 'field3', Field5 = 'field4', Field6 = 'field5',
AssignBarcodeIfSuccessful = 'False', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
  AssayPlate 'Unlidded' in 'Nest' ;
    }
  }
}

```

```

}
else
{
  if ('AssayPlate.SetPosition=2')
  {
    set BarCode_2 = '"AA2-"+Iteration' ;

    Vcode [Print and Apply]
      (Format = '1', Sides = 'East-West', DropStage = 'True',
      AutomaticRetry = 'No', Field1 = $BarCode_2,
      Field2 = $BarCode_2, Field3 = 'field2',
      Field4 = 'field3', Field5 = 'field4', Field6 = 'field5',
      AssignBarcodeIfSuccessful = 'False', PreCondition = '',
      RunOnAbortedIteration = 'No', Duration = '00:00:01',
      Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
      RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
      Enabled = 'Yes', Result = '')
      AssayPlate 'Unlidded' in 'Nest' ;
  }
else
{
  set BarCode_1 = '"AA1-"+Iteration' ;

  Vcode [Print and Apply]
    (Format = '1', Sides = 'East-West', DropStage = 'True',
    AutomaticRetry = 'No', Field1 = $BarCode_1,
    Field2 = $BarCode_1, Field3 = 'field2',
    Field4 = 'field3', Field5 = 'field4', Field6 = 'field5',
    AssignBarcodeIfSuccessful = 'False', PreCondition = '',
    RunOnAbortedIteration = 'No', Duration = '00:00:01',
    Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
    RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
    Enabled = 'Yes', Result = '')
    AssayPlate 'Unlidded' in 'Nest' ;
}
}

```



```

Barcode [Scan Barcode]
    (NoReadWarningWhenUnattended = 'No', OverrideUnattendedMode = 'No',
    PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate in 'Nest' ;

CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
                (PreCondition = '', RunOnAbortedIteration = 'No',
                Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
                MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
                SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
                Result = '')
                AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
        }
    }
}

```

```

else
{
    EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
    }
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',
            Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
            MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
            SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
            Result = '')
            AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
        }
    }
else
{
    EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
}
} // foreach AssayPlate

EVO [RunScript]

```

```

(SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
CytomatHotel [Load]
(PreCondition = '', RunOnAbortedIteration = 'No',
Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
Result = '')
AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
Infinite [Run Protocol]
(ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
MaximumOperationTime = '00:30:00', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:30:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',

```

```

    Enabled = 'Yes', Result = '')
    AssayPlate 'Unlidded' in 'Nest' ;

CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('First Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
                (PreCondition = '', RunOnAbortedIteration = 'No',
                Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
                MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
                SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
                Result = '')
                AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
        }
    }
    else
    {
        EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',

```

```

    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
}
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
    }
    else
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
}
} // foreach AssayPlate

EVO [RunScript]
(SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',

```

```
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;
```

```
CytomatHotel [Load]  
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
Dilution ;
```

```
foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',  
SerializeSetElements = 'No')  
{  
  CytomatHotel [Load]  
  (PreCondition = '', RunOnAbortedIteration = 'No',  
   Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',  
   MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',  
   SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',  
   Result = '')  
  AssayPlate ;  
}
```

```
foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',  
SerializeSetElements = 'No')  
{  
  Infinite [Run Protocol]  
  (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',  
   OutputNameFormat = '<PROTOCOL><DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',  
   MaximumOperationTime = '00:30:00', PreCondition = '',  
   RunOnAbortedIteration = 'No', Duration = '00:30:01',  
   Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
   RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
   Enabled = 'Yes', Result = '')  
  AssayPlate 'Unlidded' in 'Nest' ;
```

```
CytomatHotel [Load]
```

```

    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Second Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',
            Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
            MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
            SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
            Result = '')
            AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
        }
    }
else
{
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')

```

```

    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
}
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
    }
    else
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
}
} // foreach AssayPlate

EVO [RunScript]
(SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

```



```

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  Infinite [Run Protocol]
    (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
    OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
    MaximumOperationTime = '00:30:00', PreCondition = '',
    RunOnAbortedIteration = 'No', Duration = '00:30:01',
    Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
    RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
    Enabled = 'Yes', Result = '')
    AssayPlate 'Unlidded' in 'Nest' ;

  CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',

```

```

    Result = '')
    AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Third Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',
            Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
            MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
            SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
            Result = '')
            AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
        }
    }
else
{
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
}
}
else

```

```

{
  if ('AssayPlate.SetPosition=2')
  {
    EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
      MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
      SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
      Result = '')
      AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
    }
  else
  {
    EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
      MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
      SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
      Result = '')
      AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
  }
} // foreach AssayPlate

```

```

EVO [RunScript]
  (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
  MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
  PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

```

```

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',

```

```

    Enabled = 'Yes', Result = '')
    Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    Infinite [Run Protocol]
        (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        MaximumOperationTime = '00:30:00', PreCondition = '',
        RunOnAbortedIteration = 'No', Duration = '00:30:01',
        Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
        RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
        Enabled = 'Yes', Result = '')
        AssayPlate 'Unlidded' in 'Nest' ;

    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

```

```
release (Lock) ;

comment ('Forth Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  if ('AssayPlate.SetPosition>=3')
  {
    if ('AssayPlate.SetPosition=4')
    {
      EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
      MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
      SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
      Result = '')
      AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
    }
  }
  else
  {
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
  }
}
else
{
  if ('AssayPlate.SetPosition=2')
  {
    EVO [Load]
```

```

        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
    }
else
{
    EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
}
} // foreach AssayPlate

EVO [RunScript]
    (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
    MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
    PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
    Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
    RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
    Enabled = 'Yes', Result = '')
    Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
    Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
    RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
    Enabled = 'Yes', Result = '')
    Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',

```

```

SerializeSetElements = 'No')
{
    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    Infinite [Run Protocol]
        (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        MaximumOperationTime = '00:30:00', PreCondition = '',
        RunOnAbortedIteration = 'No', Duration = '00:30:01',
        Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
        RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
        Enabled = 'Yes', Result = '')
        AssayPlate 'Unlidded' in 'Nest' ;

    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Fifth Read') ;

```

```

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',
            Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
            MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
            SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
            Result = '')
            AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
        }
    }
    else
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
    }
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',

```



```

    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
}
else
{
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
}
}
} // foreach AssayPlate

EVO [RunScript]
(SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',

```

```

    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    Infinite [Run Protocol]
        (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        MaximumOperationTime = '00:30:00', PreCondition = '',
        RunOnAbortedIteration = 'No', Duration = '00:30:01',
        Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
        RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
        Enabled = 'Yes', Result = '')
        AssayPlate 'Unlidded' in 'Nest' ;

    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Sixth Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')

```

```

{
  if ('AssayPlate.SetPosition>=3')
  {
    if ('AssayPlate.SetPosition=4')
    {
      EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
      MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
      SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
      Result = '')
      AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
    }
  }
  else
  {
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
  }
}
else
{
  if ('AssayPlate.SetPosition=2')
  {
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
  }
}
else

```

```

{
  EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
}
}
} // foreach AssayPlate

```

```

EVO [RunScript]
  (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
  MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
  PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

```

```

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution ;

```

```

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')

```

```

    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    Infinite [Run Protocol]
        (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        MaximumOperationTime = '00:30:00', PreCondition = '',
        RunOnAbortedIteration = 'No', Duration = '00:30:01',
        Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
        RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
        Enabled = 'Yes', Result = '')
        AssayPlate 'Unlidded' in 'Nest' ;

    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Seventh Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')

```

```

{
  EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
}
else
{
  EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
}
}
else
{
  if ('AssayPlate.SetPosition=2')
  {
    EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
      MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
      SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
      Result = '')
      AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
  }
  else
  {
    EVO [Load]
      (PreCondition = '', RunOnAbortedIteration = 'No',
      Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',

```

```

        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
}
}
} // foreach AssayPlate

EVO [RunScript]
(SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',

```

```

SerializeSetElements = 'No')
{
    Infinite [Run Protocol]
        (ProtocolName = 'Infinite - 5 minutes.mdx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
        MaximumOperationTime = '00:30:00', PreCondition = '',
        RunOnAbortedIteration = 'No', Duration = '00:30:01',
        Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
        RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
        Enabled = 'Yes', Result = '')
        AssayPlate 'Unlidded' in 'Nest' ;

    CytomatHotel [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate ;
} // foreach AssayPlate

release (Lock) ;

comment ('Eighth Read') ;

acquire (Lock) ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
    if ('AssayPlate.SetPosition>=3')
    {
        if ('AssayPlate.SetPosition=4')
        {
            EVO [Load]
                (PreCondition = '', RunOnAbortedIteration = 'No',
                Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',

```



```

    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
}
else
{
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
}
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
    }
}
else
{
    EVO [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
}

```

```

    }
}
} // foreach AssayPlate

EVO [RunScript]
  (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
  MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
  PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
  Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
    Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
    MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
    SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
    Result = '')
    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  Infinite [Run Protocol]
    (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',

```

```
OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
MaximumOperationTime = '00:30:00', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:30:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
AssayPlate 'Unlidded' in 'Nest' ;
```

```
CytomatHotel [Load]
```

```
(PreCondition = '', RunOnAbortedIteration = 'No',
Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
Result = '')
AssayPlate ;
```

```
} // foreach AssayPlate
```

```
release (Lock) ;
```

```
comment ('Nineth Read') ;
```

```
acquire (Lock) ;
```

```
foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
```

```
{
if ('AssayPlate.SetPosition>=3')
{
if ('AssayPlate.SetPosition=4')
{
EVO [Load]
(PreCondition = '', RunOnAbortedIteration = 'No',
Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
Result = '')
AssayPlate 'Unlidded' in 'EVOHotel_Right(1)' ;
```

```

}
else
{
    EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(3)' ;
    }
}
else
{
    if ('AssayPlate.SetPosition=2')
    {
        EVO [Load]
            (PreCondition = '', RunOnAbortedIteration = 'No',
            Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
            MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
            SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
            Result = '')
            AssayPlate 'Unlidded' in 'EVOHotel_Left(2)' ;
        }
    }
else
{
    EVO [Load]
        (PreCondition = '', RunOnAbortedIteration = 'No',
        Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
        MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
        SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
        Result = '')
        AssayPlate 'Unlidded' in 'EVOHotel_Left(1)' ;
    }
}
}
} // foreach AssayPlate

```

```

EVO [RunScript]
  (SetVars = 'No', NoVars = '0', Vars = '', ScriptName = 'ThermoTest_Safe_Left.esc',
MaximumOperationTime = '00:20:00', WaitMethod = 'Yes',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution 'Unlidded' in 'EVOHotel_Right(2)' ;

CytomatHotel [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
Dilution ;

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  CytomatHotel [Load]
    (PreCondition = '', RunOnAbortedIteration = 'No',
Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',
Result = '')
    AssayPlate ;
} // foreach AssayPlate

foreach AssayPlate (ReverseContainerSet = 'No', DelayBetweenLoops = '00:00:01',
SerializeSetElements = 'No')
{
  Infinite [Run Protocol]
    (ProtocolName = 'Infinite - 5 minutes.mdfx', ProtocolPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
OutputNameFormat = '<PROTOCOL>_<DATETIME>', OutputPath = '\\\\Tecan-hp8300\\c\\Momentum Protocols\\Infinite',
MaximumOperationTime = '00:30:00', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:30:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',

```

```
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
AssayPlate 'Unlidded' in 'Nest' ;
```

```
CytomatHotel [Load]
```

```
(PreCondition = '', RunOnAbortedIteration = 'No',  
Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',  
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',  
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',  
Result = '')  
AssayPlate ;
```

```
} // foreach AssayPlate
```

```
release (Lock) ;
```

```
comment ('Tenth Read') ;
```

```
}
```

```
}
```