

// Generated: Wednesday, June 04, 2014 10:00:31 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: Monday, March 10, 2014 Time: 1:48:19 PM

// ***** Version 2 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:50:33 PM

// ***** Version 3 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:52:20 PM

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

```

```
// User: Admin Date: Monday, March 10, 2014 Time: 1:53:06 PM

// ***** Version 5 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:54:14 PM

// ***** Version 6 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:55:32 PM

// ***** Version 7 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:56:51 PM

// ***** Version 8 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:57:40 PM

// ***** Version 9 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:57:58 PM

// ***** Version 10 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:58:34 PM

// ***** Version 11 *****
// User: Admin Date: Monday, March 10, 2014 Time: 1:59:50 PM

// ***** Version 12 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:01:29 PM

// ***** Version 13 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:04:56 PM

// ***** Version 14 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:08:21 PM

// ***** Version 15 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:09:47 PM

// ***** Version 16 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:14:35 PM
```

```
// ***** Version 17 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:15:45 PM

// ***** Version 18 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:17:47 PM

// ***** Version 19 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:20:26 PM

// ***** Version 20 *****
// User: Admin Date: Monday, March 10, 2014 Time: 2:22:22 PM

// ***** Version 21 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 3:56:03 PM

// ***** Version 22 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 4:17:45 PM

// ***** Version 23 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 4:41:30 PM

// ***** Version 24 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 6:49:09 PM

// ***** Version 25 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 6:52:11 PM

// ***** Version 26 *****
// User: Admin Date: Tuesday, March 11, 2014 Time: 6:58:00 PM

// ***** Version 27 *****
// User: Admin Date: Thursday, April 10, 2014 Time: 9:59:27 AM

// ***** Version 28 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:23:34 PM
```

```
// ***** Version 29 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:34:50 PM

// ***** Version 30 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:35:05 PM

// ***** Version 31 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:37:55 PM

// ***** Version 32 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:39:31 PM

// ***** Version 33 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:41:50 PM

// ***** Version 34 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:43:08 PM

// ***** Version 35 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:44:21 PM

// ***** Version 36 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:44:35 PM

// ***** Version 37 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:45:18 PM

// ***** Version 38 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:45:37 PM

// ***** Version 39 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:46:25 PM

// ***** Version 40 *****
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:47:17 PM

// ***** Version 41 *****
```

```
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:47:57 PM
```

```
// ***** Version 42 *****
```

```
// User: Admin Date: Tuesday, April 22, 2014 Time: 2:48:11 PM
```

```
// ***** Version 43 *****
```

```
// User: Admin Date: Tuesday, April 22, 2014 Time: 4:37:15 PM
```

```
// ***** Version 44 *****
```

```
// User: Admin Date: Tuesday, April 22, 2014 Time: 4:38:02 PM
```

```
// ***** Version 45 *****
```

```
// User: Admin Date: Tuesday, June 03, 2014 Time: 9:59:18 PM
```

```
process [SAT2 Mutagenesis]
```

```
{
```

```
  // Containers
```

```
  containers
```

```
  {
```

```
    plate DeepwellPlate
```

```
      (WithLidOffset = '-5', MoverLiddingGripOffset = '3',
```

```
       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 OligoPlate
```

```
      (WithLidOffset = '-5', MoverLiddingGripOffset = '3',
```

```
       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, 1], ([0, 0, 0], 1)}',  
GripForce = '0', Height = '15', StackHeight = '13.13',  
SetSize = '1', Attributes = '' ) ;
```

plate PCRCleanup

```
(WithLidOffset = '-5', MoverLiddingGripOffset = '3',  
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 PCRPlatel

```
(WithLidOffset = '-5', MoverLiddingGripOffset = '3',  
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, 1], ([0, 0, 0], 1)}',  
GripForce = '0', Height = '15', StackHeight = '13.13',  
SetSize = '1', Attributes = '' ) ;
```

plate PCRPlate2

```
(WithLidOffset = '-5', MoverLiddingGripOffset = '3',  
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, 1], ([0, 0, 0], 1)}',  
GripForce = '0', Height = '15', StackHeight = '13.13',  
SetSize = '1', Attributes = '' ) ;
```



```

plate PlasmaPlate
  (WithLidOffset = '-5', MoverLiddingGripOffset = '3',
   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
    (DefaultValue = '', PromptForValue = 'No', Persist = 'No',
     Comments = '') ;
  String Barcode2
    (DefaultValue = '', PromptForValue = 'No', Persist = 'No',
     Comments = '') ;
}

// Process steps

set Barcode = '"AA"+Iteration' ;

Vcode [Print and Apply]
  (Format = '1', Sides = 'North-West', DropStage = 'False',
   AutomaticRetry = 'No', Field1 = $Barcode, Field2 = $Barcode,
   Field3 = 'field2', Field4 = 'field3', Field5 = 'field4',
   Field6 = 'field5', AssignBarcodeIfSuccessful = 'False',
   PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:50',
   Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
   RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
   Enabled = 'Yes', Result = '')

```

PCRPlate1 'Unlidded' in 'Nest' ;

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 = '')
PlasmaPlate 'Unlidded' in 'EVOHotel_Left(1)',
OligoPlate 'Unlidded' in 'EVOHotel_Left(2)',
PCRPlate1 'Unlidded' in 'EVOHotel_Left(3)',
DeepwellPlate 'Unlidded' in 'EVOHotel_Right(1)' ;

Combi [Dispense]

(DispenseVolume = '50', FirstCol = '0', FirstRow = '0',
LastCol = '0', LastRow = '0', PlateType = '96 standard (15mm)',
DispenseOrder = 'No', Fluid = 'Default Fluid', PrimeVolume = '10',
PrimeEnabled = 'No', PumpSpeed = '50', DispenseHeight = '4200',
DispenseXOffset = '0', DispenseYOffset = '0', DefaultToColumn1 = 'Yes',
Column_1 = '200', Column_2 = '200', Column_3 = '200',
Column_4 = '200', Column_5 = '200', Column_6 = '200',
Column_7 = '200', Column_8 = '200', Column_9 = '200',
Column_10 = '200', Column_11 = '200', Column_12 = '200',
Column_13 = '200', Column_14 = '200', Column_15 = '200',
Column_16 = '200', Column_17 = '200', Column_18 = '200',
Column_19 = '200', Column_20 = '200', Column_21 = '200',
Column_22 = '200', Column_23 = '200', Column_24 = '200',
Column_25 = '200', Column_26 = '200', Column_27 = '200',
Column_28 = '200', Column_29 = '200', Column_30 = '200',
Column_31 = '200', Column_32 = '200', Column_33 = '200',
Column_34 = '200', Column_35 = '200', Column_36 = '200',
Column_37 = '200', Column_38 = '200', Column_39 = '200',
Column_40 = '200', Column_41 = '200', Column_42 = '200',
Column_43 = '200', Column_44 = '200', Column_45 = '200',
Column_46 = '200', Column_47 = '200', Column_48 = '200',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:01:00',

```
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
DeepwellPlate 'Unlidded' in 'Nest' ;
```

```
Inheco [Prepare Incubate]  
(ContainerName = 'DeepwellPlate', Temp = '37', XFreq = '142',  
YFreq = '142', XAmp = '20', YAmp = '20', XYPhaseShift = '0',  
ShakeDuringIncubate = 'Yes', ShakeUntilUnloaded = 'Yes',  
MaxDuration = '00:01:00', PreCondition = '', RunOnAbortedIteration = 'No',  
Duration = '00:00:10', Comments = '', MinDelay = '00:00:00',  
MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',  
SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes', Result = '') ;
```

```
Inheco [Incubate]  
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:02:00',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
DeepwellPlate 'Lidded' ;
```

```
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 = '')  
DeepwellPlate ;
```

```
parallel  
{  
  branch // 1 of 3
```

```
{  
  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 = '')  
OligoPlate ;  
}
```

branch // 2 of 3

```
{  
PlateLoc [Seal]  
  (LowSealingTemperature = '170', SealingTemperature = '173',  
   SealingTimeout = '00:00:00', SealingTime = '1.2',  
   PreCondition = '', RunOnAbortedIteration = 'No',  
   Duration = '00:00:50', Comments = '', MinDelay = '00:00:00',  
   MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',  
   SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',  
   Result = '')  
  PCRPlate1 'Unlidded' in 'Nest' ;  
  
Hotel_2 [Load]  
  (PreCondition = '', RunOnAbortedIteration = 'No',  
   Duration = '00:00:01', Comments = '', MinDelay = '00:00:00',  
   MaxDelaySpecified = 'No', RequestedMaxDelay = '00:00:00',  
   SpoilIfMaxDelayExceeded = 'No', Enabled = 'Yes',  
   Result = '')  
  PCRPlate1 ;  
}
```

branch // 3 of 3

```
{  
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 = '')  
  PlasmaPlate ;  
}  
}
```

acquire (Lock) ;

LC480 [Scan Barcode]

(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:20',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate1 'Unlidded' in 'Nest' ;

LC480 [Run Macro]

(MaximumOperationTime = '00:30:00', ProtocolName = 'Test Macro',
ExportOutput = 'No', ProtocolPath = '/system admin/macros',
OutputName = '<MACRO>_<DATETIME>', OutputPath = '/system admin/experiments',
ExportOutputName = '<MACRO>_<DATETIME>', ExportOutputPath = '',
ExportFormatsString = 'xml + ixo', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:02:00',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate1 'Unlidded' in 'Nest' ;

Hotel_2 [Load]

(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate1 ;

release (Lock) ;

comment ('Spin') ;

HiG4Centrifuge [Spin]

(SpinGs = '250', AccelerationPercent = '50', DecelerationPercent = '50',
SpinTimeAtCruiseVelocity = '00:00:00', BucketNumberToLoad = 'Bucket1',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:00',

```
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
PCRPlatel in 'Bucket 1' ;
```

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 = '')  
PCRPlatel 'Unlidded' in 'EVOHotel_Left(3)' ;
```

LC480 [Run Macro]

```
(MaximumOperationTime = '00:30:00', ProtocolName = 'Test Macro',  
ExportOutput = 'No', ProtocolPath = '/system admin/macros',  
OutputName = '<MACRO>_<DATETIME>', OutputPath = '/system admin/experiments',  
ExportOutputName = '<MACRO>_<DATETIME>', ExportOutputPath = '',  
ExportFormatsString = 'xml + ixo', PreCondition = '',  
RunOnAbortedIteration = 'No', Duration = '00:02:00',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
PCRPlatel 'Unlidded' in 'Nest' ;
```

Hotel_2 [Load]

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

```
comment ('Spin') ;
```

HiG4Centrifuge [Spin]

```
(SpinGs = '250', AccelerationPercent = '50', DecelerationPercent = '50',
```

```

SpinTimeAtCruiseVelocity = '00:00:00', BucketNumberToLoad = 'Bucket1',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:00',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlatel in 'Bucket 1' ;

set Barcode2 = '"BB"+Iteration' ;

Vcode [Print and Apply]
  (Format = '1', Sides = 'North-West', DropStage = 'False',
AutomaticRetry = 'No', Field1 = $Barcode2, Field2 = $Barcode2,
Field3 = 'field2', Field4 = 'field3', Field5 = 'field4',
Field6 = 'field5', AssignBarcodeIfSuccessful = 'False',
PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:50',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate2 'Unlidded' in 'Nest' ;

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 = '')
PCRPlatel 'Unlidded' in 'EVOHotel_Left(3)',
PCRCleanup 'Unlidded' in 'EVOHotel_Right(1)',
PCRPlate2 '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 = '')
PCRCleanup ;

```

```
PlateLoc [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
PCRPlatel 'Unlidded' in 'Nest' ;
```

```
PlateLoc [Seal]
  (LowSealingTemperature = '170', SealingTemperature = '173',
  SealingTimeout = '00:00:00', SealingTime = '1.2', PreCondition = '',
  RunOnAbortedIteration = 'No', Duration = '00:00:50',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
PCRPlatel '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 = '')
PCRPlatel ;
```

```
PlateLoc [Load]
  (PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
  Enabled = 'Yes', Result = '')
PCRPlate2 'Unlidded' in 'Nest' ;
```

```
PlateLoc [Seal]
  (LowSealingTemperature = '170', SealingTemperature = '173',
  SealingTimeout = '00:00:00', SealingTime = '1.2', PreCondition = '',
  RunOnAbortedIteration = 'No', Duration = '00:00:50',
  Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
  RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
```



```
Enabled = 'Yes', Result = '')
PCRPlate2 'Unlidded' in 'Nest' ;
```

Hotel_2 [Load]

```
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate2 ;
```

acquire (Lock) ;

LC480 [Scan Barcode]

```
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:20',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate2 'Unlidded' in 'Nest' ;
```

LC480 [Run Macro]

```
(MaximumOperationTime = '00:30:00', ProtocolName = 'Test Macro',
ExportOutput = 'No', ProtocolPath = '/system admin/macros',
OutputName = '<MACRO>_<DATETIME>', OutputPath = '/system admin/experiments',
ExportOutputName = '<MACRO>_<DATETIME>', ExportOutputPath = '',
ExportFormatsString = 'xml + ixo', PreCondition = '',
RunOnAbortedIteration = 'No', Duration = '00:02:00',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate2 'Unlidded' in 'Nest' ;
```

Hotel_2 [Load]

```
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',
Enabled = 'Yes', Result = '')
PCRPlate2 ;
```

```
release (Lock) ;
```

```
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 = '')  
PCRPlate2 'Unlidded' in 'EVOHotel_Left(2)' ;
```

```
Hotel_2 [Load]
```

```
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
PCRPlate2 ;
```

```
PlateLoc [Load]
```

```
(PreCondition = '', RunOnAbortedIteration = 'No', Duration = '00:00:01',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
PCRPlate2 'Unlidded' in 'Nest' ;
```

```
PlateLoc [Seal]
```

```
(LowSealingTemperature = '170', SealingTemperature = '173',  
SealingTimeout = '00:00:00', SealingTime = '1.2', PreCondition = '',  
RunOnAbortedIteration = 'No', Duration = '00:00:50',  
Comments = '', MinDelay = '00:00:00', MaxDelaySpecified = 'No',  
RequestedMaxDelay = '00:00:00', SpoilIfMaxDelayExceeded = 'No',  
Enabled = 'Yes', Result = '')  
PCRPlate2 '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 = '')  
PCRPlate2 ;  
}  
}
```