```
// Generated: Wednesday, June 04, 2014 9:49:24 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 PCRPlate1
 (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 = '')
 PCRPlate1 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 = '')
 PCRPlate1 '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 = '')
 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 ;

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 = '')
 PCRPlate1 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 = '')
 PCRPlate1 '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 = '')
 PCRPlate1 '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 = '')
 PCRPlate1 '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 = '')
 PCRPlate1 ;

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 ;
  }
}
```