# 仪器接口程序说明文档

## 接口说明

|  |  |  |  |
| --- | --- | --- | --- |
| 仪器厂商 | 长沙AVE | 适用型号 | AVE系列 |
| 通讯方式 | 读数据库 | 仪器类型 |  |
| 医院 | 广西医大 | | |
| 程序名称 | MI.MIFAVEGX | | |
| 监听程序版本 |  | | |

## 连接说明

**连接方式：读数据库 读文件**

**是否支持其他连接方式**：串口 网口

## 参数设定说明

[{"MachID":"#RowID","Type":"DataBase","UpTime":"2000","Address":"dsn=ave","UpCDF":"","UpREF":"","DealProcess":"MI.MIFAVEGX","Para":"SELECT \* FROM StoolToLis WHERE Item50 IS NULL #SickSampleID#update StoolToLis set Item50='1' where SickSampleID=?"}]

**监听程序配置：**（前处理类、值域）

1.PreDeal.DealDemoM

## 4. 修改记录

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 日期 | 操作人 | 说明 |
| 1 | 2019-10-14 | 陈迁 |  |

## 5. 数据格式

## 6. 接口程序

|  |  |
| --- | --- |
|  |  |
|  |  |

Class MI.MIFAVEGX Extends %Persistent  
{  
  
/// w ##Class(MI.MIFAVE).fileMTHD("10","5~AST~16~~","")  
ClassMethod fileMTHD(mi, record, epis, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, Sessions, Output RowCount As %String) As %String  
{  
    s mi=$g(mi)  
    s epis=$g(epis)   
      
    i '$d(^dbo.BTMIMachineParameterD(mi)) q  
    i '$l(record) q  
   //20190927000006~2019/9/270:00:00~0006~0~~0006~~0~2~1~~~~~0~~~~~~~~~~2019/9/270:00:00~2019/9/279:41:30~2019/9/270:00:00~~~~~~~3~~20190927010006~2019/9/270:00:00~0006~0~0~0~~0~E:\Picture\Stool\20190927\0006\~M0001,M0002,M0003,M0004,M0005,M0006,  
   //~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~0~-~0~~1:15~-~1:15~~0~-~0.00~~~0~~~0~~~0~~~0~~~0~~~0~~~0~~~0~~~0~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~0~~~~0~~~~0~~~~0~~~~0~~~~~~~~~~~~X0001,~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  
  
    s (sample,result,date,time,QC)=""  
    
  d Trace^MI.MIF000(mi,record,"H<--M")  
  s (sample,epis,result,date,time,QC)=""  
  ;s record=$tr(record,"~","|")  
    ;s codeStr="SickExamineID,UriPrintPath,PrintImage,Rbc,Wbc,Crystal,Epiphyte,Duct,Epithelia,WhackRbc,SingularRbc,Mucous,Sperm,BLD,URO,BIL,KET,SG,VC,PH,GLU,LEU,PRO,NIT,ColorSet,MuddySet,SickbedNum,Infusorial,Mucous,Pyoid,CCrystal,RbcDuct,WbcDuct,KDuct"  
    s AllPath="",PictureNM=""  
    s Path=$p(record,"~",44)  
    s Picture=$p(record,"~",45)  
    s length=$L(Picture,",")  
    f i=1:1:length-1 d  
    .s AllPath=Path\_$P(Picture,",",i)\_".jpg"\_","\_AllPath  
    .s PictureNM="P"\_i\_","\_PictureNM  
    d Trace^MI.MIF000(mi,AllPath,"AllPath")   
    d Trace^MI.MIF000(mi,PictureNM,"PictureNM")  
    s epis=+$tr($p(record,"~",3)," ")  
    f i=27:1:$l(record,"~") d  
    .s code=i  
    .s res=$TR($Tr($p(record,"~",i),",","\*"),"\","|")  
    .s result=result\_code\_$c(92)\_res\_$c(44)  
    d Trace^MI.MIF000(mi,epis\_"@@@@"\_result,"H<--M")  
 i $l(epis),$l(result) d ##Class(MI.Common.MIFBase).Save(mi, epis, result, date, time, QC)  
 q "getimage#"\_epis\_"#"\_PictureNM\_"#"\_AllPath  
    //q "getimage#"\_epis\_"#"\_Picture\_"#"\_Path  
   
    /\*  
 s mi=$g(mi)  
   i '$d(^dbo.BTMIMachineParameterD(mi)) q ""  
 i '$l(record) q ""  
 i $l(record) d  
  .d Trace^MI.MIF000(mi,record,"H<--M")  
  .s (sample,epis,result,date,time,QC)=""  
  .s record=$tr(record,"~","|")  
    .s codeStr="SickExamineID,UriPrintPath,PrintImage,Rbc,Wbc,Crystal,Epiphyte,Duct,Epithelia,WhackRbc,SingularRbc,Mucous,Sperm,BLD,URO,BIL,KET,SG,VC,PH,GLU,LEU,PRO,NIT,ColorSet,MuddySet,SickbedNum,Infusorial,Mucous,Pyoid,CCrystal,RbcDuct,WbcDuct,KDuct"  
    .s epis=+$tr($p(record,"|",1)," ")  
    .f i=4:1:$l(record,"|")-1 d  
    ..s code=$p(codeStr,",",i)  
    ..s res=$p(record,"|",i)  
    ..s result=result\_code\_$c(92)\_res\_$c(44)  
    .d Trace^MI.MIF000(mi,result,"H<--M")  
 .i $l(epis),$l(result) d ##Class(MI.Common.MIFBase).Save(mi, epis, result, date, time, QC)  
    .;i $l(epis) s retVal=$$ReceiveLabno^MI.MIF000(mi,epis,"")  
 q ""  
 \*/  
}  
  
ClassMethod SaveImageMTHD(mi, epis, ImageClass, FileName, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, Sessions, Output RowCount As %String) As %String  
{  
 s mi=$g(mi)  
 s MachID=mi  
 s epis=+$tr(epis," ")  
   i '$d(^dbo.BTMIMachineParameterD(MachID)) q ""  
  d Trace^MI.MIF000(MachID,epis\_":"\_ImageClass\_":"\_FileName,"H<--M")  
  s (ReceiveDate, ImageOrder, Caption, DisplayRatio, Height, Width, Sequence)=""  
 s ret=##Class(MI.Common.MachineResult).SaveImage(ReceiveDate, epis, ImageClass, ImageOrder, FileName, MachID, Caption, DisplayRatio, Height, Width, Sequence)  
 q ret  
}  
  
// w ##class(MI.MIFAVE).GetFtpMTHD(3,"1")  
  
ClassMethod GetFtpMTHD(mi, epis, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, Sessions, Output RowCount As %String) As %String  
{  
   
 s mi=$g(mi)  
 s MachID=mi  
   i '$d(^dbo.BTMIMachineParameterD(MachID)) q ""  
   s FtpData=##class(OTH.SYSParameter).GetDataValue("LABReportImageFTP","HOS","1")  
   s Ftp=$p(FtpData,"@",2)  
   s User=$p($p($p(FtpData,"@",1),":",2),"/",3)  
   s Password=$p($p(FtpData,"@",1),":",3)  
   s FilePath="/LIS/AVE1/"\_$tr($zd($h,3),"-")\_"/"  
   q Ftp\_"^"\_User\_"^"\_Password\_"^"\_FilePath  
   
 /\*  
 s mi=$g(mi),epis=$g(epis)  
 s MachID=$p(mi,"^",1)  
 s epis=$p(mi,"^",2)  
   i '$d(^dbo.BTMIMachineParameterD(MachID)) q ""  
   s FtpData=##class(OTH.SYSParameter).GetDataValue("LABREPORTIMAGEFTP","HOS","1")  
   s Ftp=$p($p(FtpData,"@",2),"/",1)  
   s User=$p($p($p(FtpData,"@",1),":",2),"/",3)  
   s Password=$p($p(FtpData,"@",1),":",3)  
   s FtpPath=$p(FtpData,"/",4,$l(FtpData,"/"))  
   s FilePath="/LIS/AVE1/"\_$tr($zd($h,3),"-")\_"/"\_epis\_"/"  
   q Ftp\_"^"\_User\_"^"\_Password\_"^"\_FilePath  
   \*/  
}  
  
/// w ##Class(MI.MIFX1800IA).GetLabnoInfo(-6,1001367)  
ClassMethod GetLabnoInfo(mi, labno) As %String  
{  
 s mi=$g(mi),labno=$g(labno)  
 i '$d(^dbo.BTMIMachineParameterD(mi)) q ""  
 //获取项目通道号  
    d ScanOne^MI.MIF000(mi,labno)  
    s tcx=""  
    s chl="" f  s chl=$o(^TMP("MIFTESTCODE",$j,mi,labno,chl)) q:chl=""  d  
    .s tcx=tcx\_chl\_"+"  
    s tcx=$e(tcx,1,$l(tcx)-1)  
    k ^TMP("MIFTESTCODE",$j,mi,labno)  
    i $l(tcx) s tcx=labno\_","\_tcx\_"|"  
 q tcx  
}  
  
Storage Default  
{  
<Data name="MIFAVEGXDefaultData">  
<Value name="1">  
<Value>%%CLASSNAME</Value>  
</Value>  
</Data>  
<DataLocation>^MI.MIFAVEGXD</DataLocation>  
<DefaultData>MIFAVEGXDefaultData</DefaultData>  
<IdLocation>^MI.MIFAVEGXD</IdLocation>  
<IndexLocation>^MI.MIFAVEGXI</IndexLocation>  
<StreamLocation>^MI.MIFAVEGXS</StreamLocation>  
<Type>%Library.CacheStorage</Type>  
}  
  
}