**仪器接口程序说明文档**

1. **接口说明**

|  |  |  |  |
| --- | --- | --- | --- |
| 仪器厂商 | ABX | 适用型号 | ABX120 |
| 通讯方式 | **单向** | 仪器类型 |  |
| 医院 | 深圳恒生医院 | | |
| 程序名称 | MIFABX60 | | |
| 附件 | 接口源码（MIFABX60） | | |

1. **连接说明**

**连接方式：**串口 ~~串口线接仪器主机/~~串口线接仪器配备电脑

**是否支持其他连接方式**：网口~~，读文本，读数据库~~

**3.串口盒子设定参数**

**1）串口盒子型号及线序**

**MOXA 5410**

RS232 母对母 23交叉5直连

**2）盒子及仪器设定参数**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 选项中文名称 | 选项英文名称 | 设置 |
| 1 | 波特率 | Baud | 9600 |
| 2 | 数据位 | Code | 8 |
| 3 | 停止位 | Stop Bit | 1 |
| 4 | 奇偶校验 | Parity Bit | None |
| 5 | 模式 | Mode | RS232 |
| 6 | 流量控制 | Flow | None |

**4.仪器参数设定说明（保留仪器设置图片存档）**

仪器上设置：

**5.仪器数据传输说明**

1）仪器自动传输结果：支持

2）手工传输结果：支持

**6．修改记录**

|  |  |  |  |
| --- | --- | --- | --- |
| 序号 | 日期 | 操作人 | 说明 |
| 1 | 2019-9-25 | 陈迁 |  |

1. **数据格式：**

**8.接口程序**

MIFABX60(MachID)

s MachID=$g(MachID)

S ^TMPMACH10(MachID,104)=$H

i '$l(MachID) q

s ItemDeli=$li(^dbo.BTMIMachineParameterD(MachID),12) //项目分隔符

s ResultDeli=$li(^dbo.BTMIMachineParameterD(MachID),13) //结果分隔符

s AntDeli=$li(^dbo.BTMIMachineParameterD(MachID),14) //抗生素分隔符

s SenDeli=$li(^dbo.BTMIMachineParameterD(MachID),15) //药敏结果分隔符

s Port="|TCP|"\_$li(^dbo.BTMIMachineParameterD(MachID),17) //端口号

//控制字符

s stx=$c(2),etx=$c(3),ack=$c(6),crlf=$c(13,10),lf=$c(10)

s del=$c(13)

S ^TMPMACH10(MachID,102)=$H

i $$Start^MI.MIF000(MachID) q

f d Main i $$Stop^MI.MIF000(MachID) q

c Port

q

Main

s record=$$Read^MI.MIF000(MachID,"",etx) q:'$l(record)

//s record=$tr(record,crlf,del),record=$p(record,del,1,99)

d Trace^MI.MIF000(MachID,record,"H<--M")

//d ACK

s record=$TR(record,"""","F")

S record=$TR(record,",","G")

S (sample,epis,surname,result,date,time,QC)=""

s record=$p(record,$c(2),2)

s record=$TR(record,$C(13),"^")

;s epis=+$tr($p($p(temrec,"AUTO\_SID",2),del,1)," ")

;s record="00435^?□RESULT□□^!□06.22□□^F□01.44□□^#□023.2□□^$□00.50□□^%□008.1□□^(□04.06□□^)□065.2□□^\*□00.21□□^+□003.4□□^G□00.01□□^-□000.1□□^.□00.02□□^/□000.3□□^0□00.02□□^1□000.3□□^2□06.39□□^3□16.01□□^4□048.2□□^5□00075□l^6□25.06□□^7□33.20□□^8□017.1□H^@□00181□□^A□009.9□□^B□0.179□□^C□017.3□□^p□01^q□19/07/16□16h07mn29s^r□308DIF04□□□□□□□□^s□0300^u□M3146606□□□□□□□□^?000.1□□^?00.01□□^?00.00□□^?00.00□□^?000.2□□^?00.01□□^?HDG02□□□^?V5.0□^?4d9b^"

d Trace^MI.MIF000(MachID,record,"H<--M")

s epis=$TR($p($P(record,"^u",2),"^",1)," ")

i '$L(epis) s epis=+$TR($p($P(record,"^r",2),"^",1)," DIF")

f i=3:1:28 d

.s recorda=$P(record,"^",i) ;.□00.02□□

.s rec=$e(recorda)

.s res=$TR($TR($e(recorda,2,8),"SslRr")," ")

.s res1=res

.i rec="3" s res1=res/0.1

.i rec="4" s res1=res/100

.i rec="7" s res1=res/0.1

.s res=res1

.s result=result\_rec\_$c(92)\_res\_$c(44)

d Trace^MI.MIF000(MachID,epis\_"$$$$$"\_result,"H<--M") ;

;i $l(epis),$l(result) d ##Class(MI.Common.MIFBase).Save(MachID, epis, result, date, time, QC)

;;i $l(epis) s retVal=$$ReceiveLabno^MI.MIF000(mi,epis,"")

I $l(epis),$l(result) D

.;i $L(epis)>7 s epis=##class(HIS.DHCReportPrint).GetReportAssayNoMTHD(MachID,epis)

.D Save^MI.MIF000(MachID,epis,result,date,time,QC)

q

ACK ; send 'ack' to instrument

w ack,\*-3

d Trace^MI.MIF000(MachID,"ACK","H-->M")

q