{

"ewi\_id": "100137",

"ewi\_title": "FERMENTOR LEAKAGE TEST",

"description": "All unions connected to the vessel and all vessel isolation valves should be checked for leakage. Soap solution should be sprayed on the unions using spray bottle. If there is a leakage, bubble formation will occur, if not, it is confirmed that there is no leakage. ",

"version": "3.0000",

"enforce\_order": false,

"category": "batch",

"status": "released",

"tags": [

"BIOCON",

"Fermentation"

],

"attachments": [],

"view\_content": [

{

"display\_seq": 1,

"key": 154970,

"instruction\_name": "Prep for Leakage Test\n",

"description": "",

"disabled": false,

"input": false,

"type": "task",

"components": [

{

"key": 346165,

"disabled": false,

"input": true,

"type": "checkbox",

"units": "",

"required": true,

"label": "Replace the rubber septa of the inoculation ports with new ones.",

"description": ""

},

{

"key": 599172,

"disabled": false,

"input": true,

"type": "checkbox",

"units": "",

"required": true,

"label": "Replace the vessel isolation actuated valve on the related RM solution feed lines with manual valve.",

"description": ""

},

{

"key": 103907,

"disabled": false,

"input": true,

"type": "number",

"units": "",

"required": true,

"label": "Charge 2000 Ltrs of Potable water into the fermenter. Record Actual Quantity Charged",

"description": "",

"experion\_tag": {

"data\_type": "float",

"tag": "FE01.LEVEL.PV",

"op\_type": "write"

}

}

]

},

{

"display\_seq": 2,

"key": 180669,

"instruction\_name": "Start Leakage Test",

"description": "",

"disabled": false,

"input": false,

"type": "task",

"components": [

{

"key": 507257,

"disabled": false,

"input": true,

"type": "checkbox",

"units": "",

"required": true,

"label": "Confirm Leakage Test Ready to Start",

"description": ""

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{

"key": 816862,

"disabled": false,

"input": true,

"type": "number",

"units": "Nm3/h",

"required": true,

"label": "Set the Air flow to 100 Nm3/hr). Record Actual Flowrate",

"description": "",

"experion\_tag": {

"data\_type": "float",

"op\_type": "write",

"tag": "FE01.Airflowrate.PV"

}

},

{

"key": 684689,

"disabled": false,

"input": true,

"type": "number",

"units": "Bar",

"required": true,

"label": "Pressurize the fermenter to 40 bar. Record the Pressure once the vessel is pressurized",

"description": "",

"attributes": {

"precision": 1,

"max\_value": 0,

"min\_value": 0

}

},

{

"key": 791845,

"disabled": false,

"input": true,

"type": "checkbox",

"units": "",

"required": true,

"label": "Start Leakage test",

"description": "",

"experion\_tag": {

"data\_type": "boolean",

"op\_type": "write",

"tag": "Fe01.LeakageStart.PVFL"

}

}

]

},

{

"display\_seq": 3,

"key": 216771,

"instruction\_name": "Record Leakage Test Result",

"description": "",

"disabled": false,

"input": false,

"type": "task",

"components": [

{

"key": 739782,

"disabled": false,

"input": true,

"type": "select",

"required": true,

"label": "Bottom Flange",

"description": "",

"units": "",

"source": {

"enum\_type": "enum",

"enum\_name": "enum\_name",

"display\_type": "single-select",

"max\_items": 10,

"data": [

{

"label": "Yes",

"value": "Yes"

},

{

"label": "No",

"value": "No"

}

]

}

},

{

"key": 454809,

"disabled": false,

"input": true,

"type": "select",

"required": true,

"label": "Level Transmitter",

"description": "",

"units": "",

"source": {

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"enum\_name": "enum\_name",

"display\_type": "single-select",

"max\_items": 10,

"data": [

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"label": "Yes",

"value": "Yes"

},

{

"label": "No",

"value": "No"

}

]

}

},

{

"key": 326016,

"disabled": false,

"input": true,

"type": "select",

"required": true,

"label": "Sampling Valve",

"description": "",

"units": "",

"source": {

"enum\_type": "enum",

"enum\_name": "enum\_name",

"display\_type": "single-select",

"max\_items": 10,

"data": [

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"label": "Yes",

"value": "Yes"

},

{

"label": "No",

"value": "No"

}

]

}

},

{

"key": 745419,

"disabled": false,

"input": true,

"type": "select",

"required": true,

"label": "Steam supply union to sight glass",

"description": "",

"units": "",

"source": {

"enum\_type": "enum",

"enum\_name": "enum\_name",

"display\_type": "single-select",

"max\_items": 10,

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"value": "Yes"

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{

"label": "No",

"value": "No"

}

]

}

},

{

"key": 625901,

"disabled": false,

"input": true,

"type": "select",

"required": true,

"label": "Transfer line from seed fermenter",

"description": "",

"units": "",

"source": {

"enum\_type": "enum",

"enum\_name": "enum\_name",

"display\_type": "single-select",

"max\_items": 10,

"data": [

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"label": "Yes",

"value": "Yes"

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{

"label": "No",

"value": "No"

}

]

}

},

{

"key": 835453,

"disabled": false,

"input": true,

"type": "textfield",

"units": "",

"required": true,

"label": "Rectified By",

"description": "",

"attributes": {

"min\_length": 0,

"max\_length": 0

}

}

]

}

],

"safety": {

"key": 100000,

"checklist": []

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"showPreview": false

}