



Pressure Regulator Test for Autoclave

(Ref. SOP VAL-175)

1. Procedure

A Pressure Regulator Test is performed to test the integrity of Autoclaves. This test is completed to ensure that the pressure in the chamber is regulated at 104.4 to 116.9kPa (which corresponds to 121.1°C to 123.0°C) once the pressure has stabilized.

This form must be printed for each consecutive test.

1.1 Pressure Regulator Test Performance

1.1.1 Synchronise the time of the Graphic Recorder (Eurotherm Chessell 6000 Multichannel Graphic Recorder) to within 1 minute of the autoclave (Ref VAL-220).

Sign/Date

1.1.2 With the autoclave in standby state, install the appropriate pressure transducers to the chamber and jacket ports. Run the autoclave with the chamber empty. When the temperature and pressure have stabilized, observe the pressure reading for 30 minutes.

Sign/Date

1.1.3 Record the minimum, maximum and calculate the mean pressures over the 30 minute range for both the jacket and chamber.

Acceptance Criteria for both jacket and chamber pressures	Actual Results for the jacket pressures	Actual Results for the chamber pressures
Min. Pressure = 104.4 kPa	Min. Pressure = ____ kPa	Min. Pressure = ____ kPa
Max. Pressure = 116.9 kPa	Max. Pressure = ____ kPa	Max. Pressure = ____ kPa
Avg. Pressure = 104.4 – 116.9 kPa	Avg. Pressure = ____ kPa	Avg. Pressure = ____ kPa

Was the pressure regulator test conducted successfully without any deviations

Yes/No Dev #

Sign/Date

<input type="text"/>	<input type="text"/>
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1.1.3 Retrieve the autoclave printout(s) and chart recorder trace, sign all printouts and attach to this document.

Sign/Date

2. Completion

Upon completion of this test attach document to the Autoclave Validation Protocol – Form 780