Certificate of Conformity and Analysis

All SSI manufactured products are required to pass our highest level of Quality Assurance testing before sale.

Our manufacturing, warehousing and packaging processes are regularly validated through testing to ensure that we continue to deliver product of the highest standard. Our functional products (Centrifuge tubes, PCR consumables & Pipette Tips) are manufactured from FDA-approved, medical-grade virgin polypropylene.

Where appropriate, products are required to pass quality assurance tests specific to the function for which the parts are designed and sold. Examples of such testing include: Centrifugation, thermal cycling, liquid handling, leak testing

In the event that any of our products fail to meet the standard set and cannot perform the function(s) for which they were designed we will replace such goods free of charge.

Analysis
Where we issue a certificate of testing, our tests have been carried out to ensure the absence of contaminants to the levels of detection as detailed here:

DNase
Testing is by gel electrophoresis. Passing test criteria: The DNA exposed to the test sample or extract must look exactly the same as the DNA negative control that was exposed to sterile water. The negative control must be completely intact with no degradation. The positive control must show degradation of the DNA standard for the test to be valid. Test Sensitivity: 10^{-7} Kunitz Units/ µl.

RNase
Testing by gel electrophoresis. Passing test criteria: The RNA exposed to the test sample or extract must look exactly the same as the RNA negative control that was exposed to sterile water. The negative control must be completely intact with no degradation. The positive control must show degradation of the RNA standard for the test to be valid.
Test Sensitivity: 10^{-9} Kunitz Units/ µl.

DNA
Test samples are extracted and a portion of extract is added to a multiplex PCR reaction. After 40 cycles of amplification the reactions are evaluated by gel electrophoresis. The first set of reactions without DNA should produce only primer bands. Passing test criteria require no DNA bands in negative reactions and two DNA bands in all positive reactions.
Test Sensitivity: 30pg.

Pyrogens
The LAL (Limulus Amebocyte Lysate) Gel Clot method to test raw materials or end products for the presence of endotoxins. Test sensitivity 0.06 EU/ml (Endotoxin Units).

Paul Connelly
Sales & Marketing Manager

Digitally signed by Jighili Tatiana
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