CERTIFICATE OF RNase, DNase, DNA, PCR Inhibitor and PYROGEN FREE

Issue Date: 2026-06-30

Product Code: T311-4

This is to certify that representative samples of the referenced product(s) were tested in an independent laboratory and found to meet the following specifications:

1. **RNase- and DNase-Free**
   - Samples showed no detectable RNase or DNase activity in functional assays using RNA/DNA substrates, verified by positive and negative controls.

2. **DNA-Free (Human/Mouse)**
   - No amplification was observed in PCR assays (≤40 cycles) targeting human or mouse genomic DNA, confirming absence of detectable DNA contamination.

3. **Pyrogen-Free (Endotoxin Controlled)**
   - Endotoxin levels determined per USP <85> (LAL gel-clot, λ = 0.06 EU/mL) were below 0.06 EU/mL (or < 21 EU/device), meeting endotoxin-free specifications.

4. **PCR Inhibitor-Free**
   - PCR assays using human/mouse primers showed no delay or signal loss versus controls, confirming absence of PCR-inhibiting substances.

Testing Methodology:
All tests were conducted in duplicate and compared against both positive and negative controls to ensure the reliability and accuracy of the results.

This certification applies to the products listed and is based on the results of routine batch testing.

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