Assay Name/Specification (minimum release criteria) | Lot #1661704
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**A260/A280 Assay** - The ratio of UV absorption of Lambda DNA at 260 and 280 nm is between 1.8 and 2.0. | Pass
**DNA Concentration (A260)** - The concentration of Lambda DNA is between 500 and 550 µg/ml as determined by UV absorption at 260 nm. | Pass
**Electrophoretic Pattern (Linear DNA)** - The banding pattern of Lambda DNA on a 1.2% agarose gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide. | Pass
**Non-Specific DNase Activity (DNA, 16 hour)** - A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of Lambda DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. | Pass
**Restriction Digest (Correct Pattern)** - A 50 µl reaction in NEBuffer 2.1 containing 2.5 µg of Lambda DNA and 20 units of HindIII incubated for 1 hour at 37°C produces the expected pattern of DNA fragments as determined by agarose gel electrophoresis. | Pass