microRheologics optimizing diagnostics	**4n6 (Forensics) DNA COMPATIBILITY CERTIFICATION**

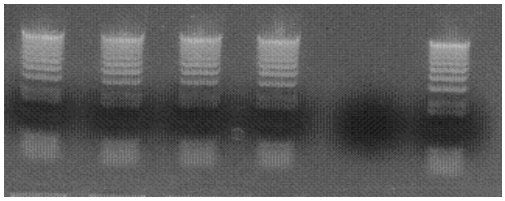
This product have been tested and is certified free of Dnase or Rnase contamination, and of contamination with human genomic DNA.

CODE	LOT N°	EXP. DATE
Device description:		

❑ DNase test procedure

Swabs are saturated with a solution containing PCR buffer, Magnesium Chloride and 1 Kb ladder. The swabs are incubated at 37°C for two hours with a positive control (spiked with a DNase) and a negative control (unexposed to the swabs).After the incubation the swabs are centrifuged, the solution is run on agarose gel stained with ethidium bromide and evaluated. The test is valid if the negative control shows no evidence of smearing while the positive control shows the degradation of the ladder. For samples to pass certification the relative intensities of the DNA bands from solution exposed to the swabs must correspond to the negative control.

Test sensitivity: ≤10^{-7} Kunits Units: passed



1 2 3 4 5 6

1-2-3-4: samples

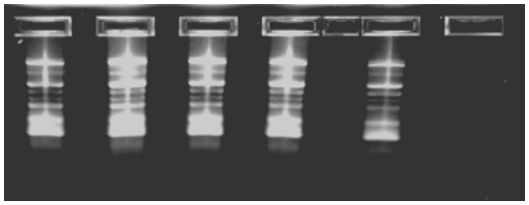
5: positive control

6: negative control

❑ RNase test procedure

Swabs are saturated with a solution containing PCR buffer and RNA ladder.The swabs are incubated at 37°C for two hours with a positive control (spiked with a RNase) and a negative control (unexposed to the swabs).After the incubation the swabs are centrifuge, the solution is run on agarose gel stained with ethidium bromide and evaluated. The test is valid if the negative control shows no evidence of smearing while the positive control shows the degradation of the ladder.For samples to pass certification the relative intensities of the RNA bands from solution exposed to the swabs must correspond to the negative control

Test sensitivity: ≤10^{-9} Kunits Units: passed



1 2 3 4 5 6

1-2-3-4:samples

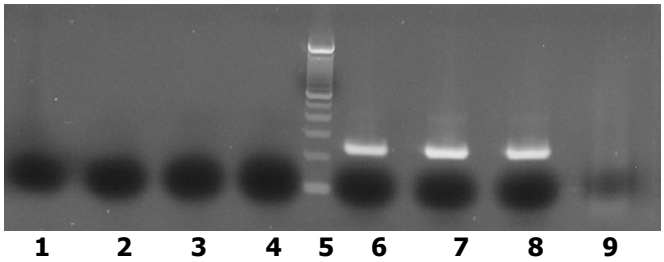
5: negative control

6: positive control

Human DNA contamination test procedure

Swabs are extracted and a portion of extract is added to a PCR reaction containing primers specific for human genomic DNA.
The tubes samples are amplified for 50 cycles with a negative control (no template control) and a positive control (32 pg). The results are analysed on agarose gel.
The test is valid if the negative control does not show any amplification (no bands) and if the positive control shows a band of the specific size.
The tubes containing the test samples did not receive any template so any amplification should occur: any amplification indicates the absence of human DNA contamination.

Test sensitivity: ≤32 pg: passed



1-2-3-4: samples

5: DNA ladder

6-7-8: positive control

7: negative control

All reported results were obtained at time of Lot release and are guaranteed until peel opened

Copan Italia SpA certifies that all upstated product quality requirements have been met and that all informations are correct.

Certificate Date of Issue

Test Executor: **Arnalda Giambra**

Microbiol.Quality Assurance: **Roberto Paroni**
Copan Italia Spa