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AMES MUTAGENIC ACTIVITY OF SIDESTREAM
CONDENSATE. COMPARISON OF PROTOTYPE
SLIM CIGARETTES AND SIX COMMERCIAL
CIGARETTES FROM THE SWISS MARKET

REPORT NO. T.172

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SUMMARY

The relative specific mutagenicity of sidestream condensate from two slim (19 mm circumference) prototypes (coded V532 and V533) and six commercial cigarettes (coded A to F) selected from the Swiss market were assessed using the Ames bacterial mutagenicity assay.

One prototype cigarette (V532) was wrapped in a conventional cigarette paper whilst the second (V533) utilised a paper containing 5% sodium acetate.

The cigarettes have been ranked in descending order of their relative specific activities:

V533-F-E-V532-D-C-B-A

with a 72% difference between the maximum and minimum specific activities.

It must be stressed that these results are relative within this experiment, are based upon machine smoked parameters and indicate comparative activity within a bacterial mutagenicity system.

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KEY WORDS

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Switzerland
Low Sidestream Cigarettes
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