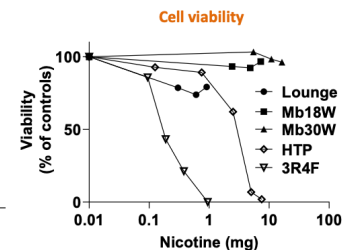
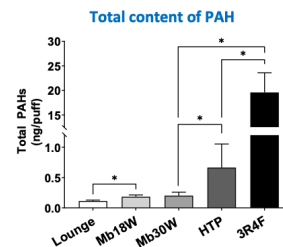
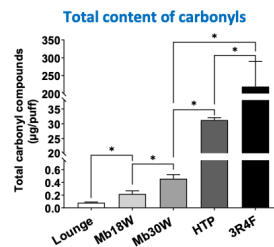
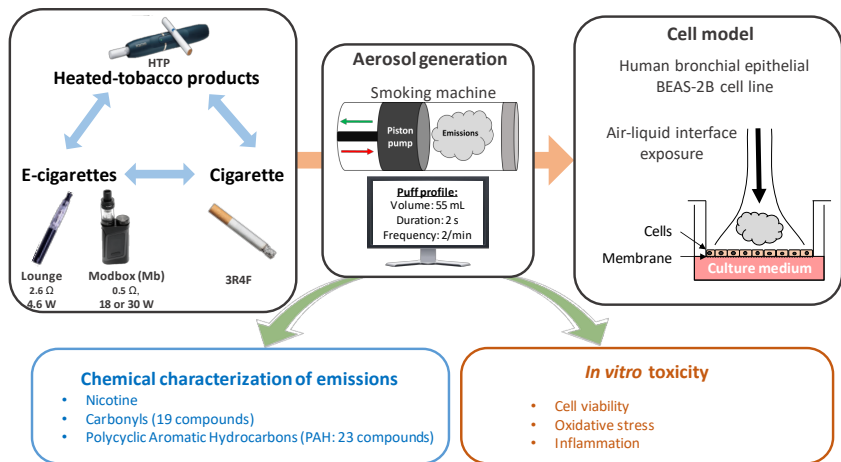


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Comparison of the chemical composition of aerosols from heated tobacco products, electronic cigarettes and tobacco cigarettes and their toxic impacts on the human bronchial epithelial BEAS-2B cells



HTP emit less PAH and carbonyls than the conventional cigarettes. However, amounts of these compounds in HTP emissions are still higher than in e-cigarette aerosols. Concordantly, HTP emissions show reduced cytotoxicity compared to cigarette smoke but higher than e-cigarette aerosols. **This study provides important data necessary for risk assessment by demonstrating that HTP might be less harmful than tobacco cigarette but considerably more harmful than e-cigarette.**

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