

# ORAL IRRITATION

## Oral Care Products

Model

SkinEthic™ HOE, SkinEthic™ HGE



### DESCRIPTION



0.5 cm<sup>2</sup> reconstituted human oral epithelial tissues were topically exposed in triplicate to 4 commercially available oral care products diluted at 30% (3 toothpaste's: products A, B and C, and 1 mouthwash: product D) at 60 µl/cm<sup>2</sup> for 10 minutes, 1 hour, 3 hours and 24 hours



Wash step to remove the products



Duplicate tissues for cell viability



the third tissue was fixed in formalin 10% and embedded in paraffin for histology analysis (H&E staining)

### TESTED PRODUCTS

- Toothpaste A: containing SLS
- Toothpaste B: containing SLS and propylene glycol
- Toothpaste C: containing no SLS, no propylene glycol
- Mouthwash D: containing glycerine, lidocaine chlorohydrate

### RESULTS

