# Does data capture device affect sensory descriptive analysis results?



**Devices Used** Introduction \*\*Images are for comparison purposes and are approximately relative in size. The sensory descriptive analysis of 4 snack bar products was conducted on 3 different data collection devices. Results were compared to determine whether the device type had a significant influence on the results. **Materials and Methods** Devices: iPod Touch, iPad, Laptop with an external monitor. Products: 8 snack bar products (4 for training, 4 for evaluation). iPod Touch iPad 2 Method: sensory descriptive analysis (20 attributes) 10.16cm diagonal 24.64cm diagonal Design for product evaluation of 4 evaluation snack bars: 16:9 aspect ratio 4:3 aspect ratio • 3 days\* 3 sessions/day\* 4 products/session\* 12 assessors. Results

Example Assessor Device Rotation			
	Session 1	Session 2	Session 3
Day 1	iPod	iPad	Monitor
Day 2	iPad	Monitor	iPod
Day 3	Monitor	iPod	iPad
Replication and blocking were used to balance product			

and device order effects.



Device Panel (n=12)

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GPA showing each of the Product x Device objects for both the panel, overlaid with 95% confidence ellipses





The difference from the standardized mean.

### Conclusion

- using a stylus.

## **Contact Information**

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Compusense.

• Products characterized similarly regardless of device.

• Differences in scale level were observed.

• Differences might be due to the stylus vs. mouse.

• Further research is required to evaluate the effect of