

# Assessment of the Performance of a Pouch Additive with both Deodorizing and Lubrication Benefits

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## Methods<sup>9</sup>

- Survey of people with ostomies at national or international meetings or via retailer distribution
  - 36 in Japan
  - 18 other nationalities
- Single use sample provided with instructions
- Assessment following pouch draining or pouch change

## Observations

We report here the results of the first 54 surveys returned as part of an ongoing multinational survey of user appreciation of product performance. The data is being collected by several different methods including distribution of the survey at meetings attended by people with ostomies and distribution by retailers. Of these 54 surveys, 36 were obtained from people with ostomies in Japan and 18 from people with ostomies who reside in other countries around the world. The lubricating deodorant was provided in a single use packet, and the subjects were provided with standard instructions for use. The participants used the product as part of their normal care routine for at least one cycle of product use. Each participant was asked to assess the key performance attributes of the product immediately after a pouch emptying, if they used a drainable pouch or immediately following a pouch change, if they used a closed pouch.

The average age of the respondents was 59 years; they averaged 8.4 years since their original ostomy surgery. The majority (70.4%) of the participants had colostomies (Figure 1) and nearly two-thirds (59.6%) of the respondents reported using a two-piece drainable system (Figure 2).

The participants were asked to rate the various attributes on a scale from 1 to 5 with 1 being very positive and 5 being very negative. The proportion of positive scores (ratings of 1 or 2) are reported here.

Approximately three fourths of the respondents rated the product positively for ease of pouch emptying (Figure 3), and nearly 84% reported pouch emptying to be easier than usual (Figure 4).

For reducing pancaking, the product was rated positively by 69.8% of the participants, with nearly two-thirds of the Japanese respondents rating the product positively (Figure 5).

For odor removal the overall positive response was 71.7%, with 69.4% of participants from Japan rating the product positively (Figure 6).

When asked to compare the deodorizing ability of the new product to the deodorant that they currently use, 64.3% rated the test product positively. In Japan, 66.7% rated the test product positively compared to their current product (Figure 7).

The participants were asked to rate the ease of use on a scale of 1 to 5 with 1 being very easy and 5 being very difficult. Overall 64.2% reported the use to be positive, with the Japanese respondents reporting slightly lower values (55.6%) (Figure 8).

## Participants

- Average age - 59 years
- Average height - 163 cm (64 inches)
- Average weight - 61 kg (134 lb.)
- Average number of years since stoma surgery - 8.4 years

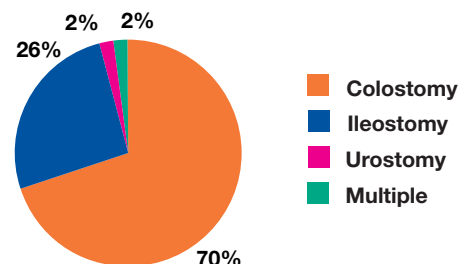


Figure 1 Type of Ostomy

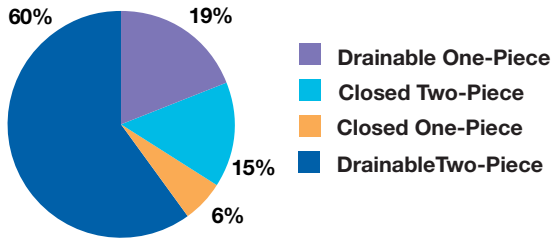


Figure 2 Type of Pouch

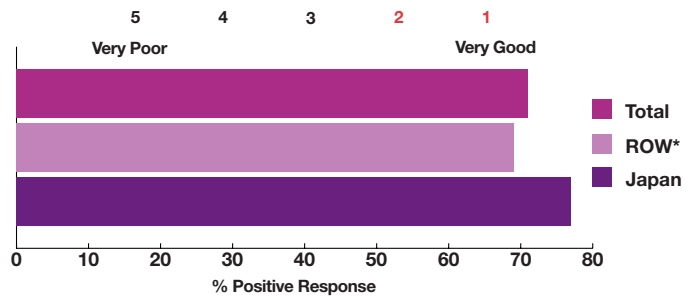


Figure 6 Odor Removal

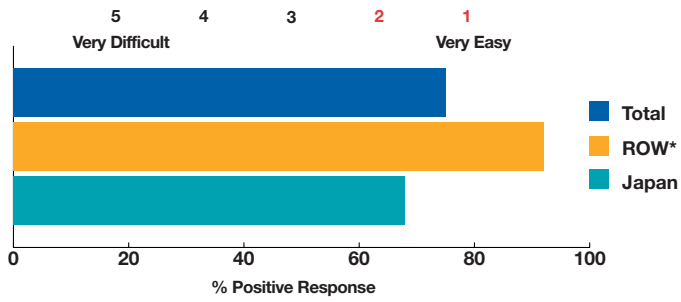


Figure 3 Emptying the Pouch

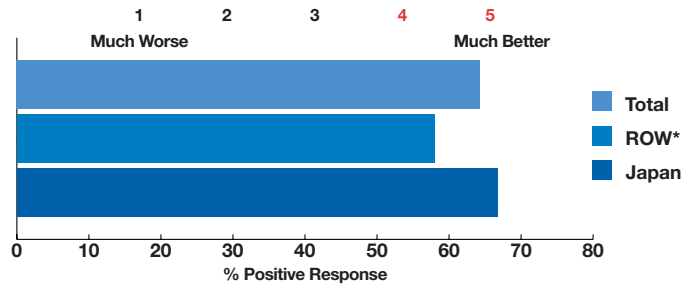


Figure 7 Effectiveness of Odor Removal Compared to Product Normally Used

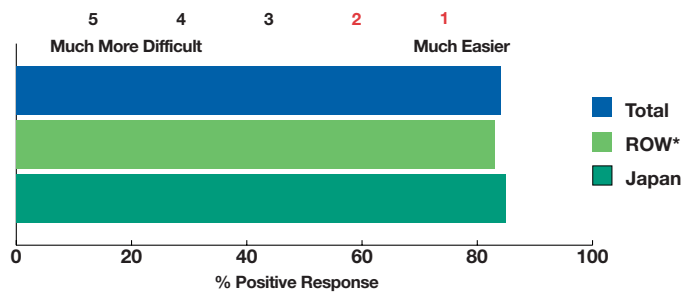


Figure 4 Ease of Emptying Compared to Usual

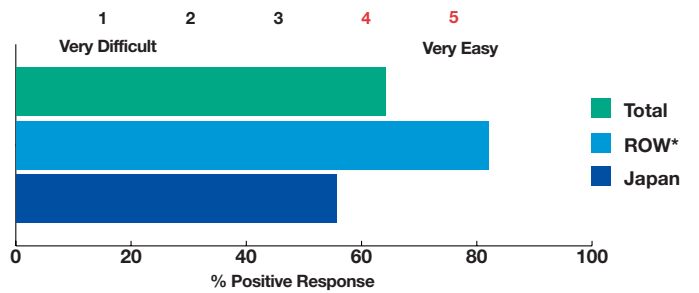


Figure 8 Application of Drops

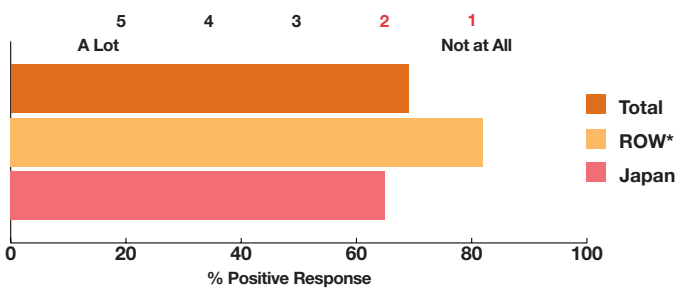


Figure 5 Pancaking

\*ROW = Rest of the World (except Japan)

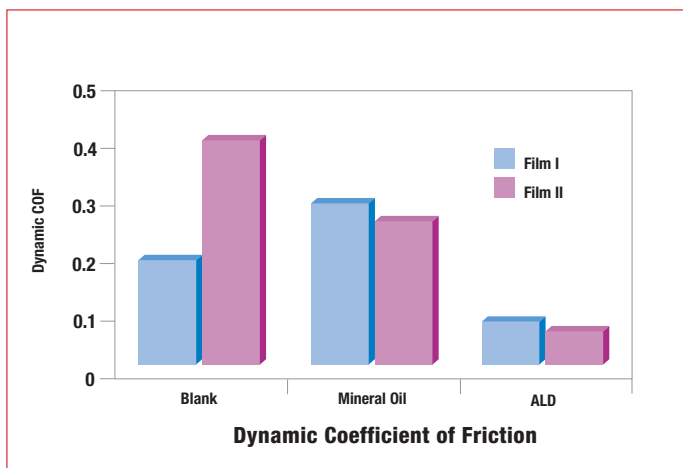


Figure 3 Dynamic Coefficient of Friction

Adapt Lubricating Deodorant provides excellent lubricity to the walls of the pouch; this is also demonstrated by measuring the dynamic Coefficient of Friction (COF) between film surfaces of the pouch. Blank refers to no additive between the film surfaces.

*[Note: Mineral oil sometimes is used by people with ostomies as a lubricant, which raises the COF in film I. It is an indication of the mineral oil attacking and degrading the pouch.]*

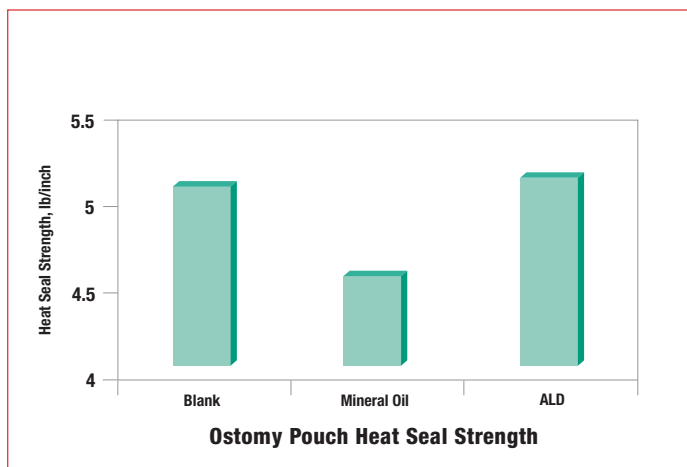


Figure 4 Ostomy Pouch Heat Seal Strength

Adapt Lubricating Deodorant does not attack and weaken the heat seals of the pouch, unlike mineral oil. The heat seal strength of the pouch treated with Adapt Lubricating Deodorant is comparable to the untreated control blank.

## Conclusion

Adapt Lubricating Deodorant is a unique product that addresses the dual needs of people with ostomies for odor control and ease of emptying the pouch. The safe nature of the product provides additional security to both the user and the ostomy pouch. Adapt Lubricating Deodorant is fragrance and dye free and is supplied in single and multiple application containers that facilitate the ease of use.

## References

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## Conclusion

In conclusion, Adapt Lubricating Deodorant successfully addresses multiple problems of people with ostomies and provides superior performance to previously available materials in a single convenient product.

Product provides a unique combination of benefits that were perceived to:

- make pouch emptying easier
- reduce pancaking
- reduce odor better than current products
- be easy to apply into the pouch
- won't degrade pouch seals



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