



Which detergent works the best?



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Introduction

We use detergents in our everyday lives and through this experiment we can draw a conclusion on which detergent works better compared to the rest to help with our everyday cleaning.

Aim of the experiment

The aim of the investigation is to determine which detergent removes the stain (milk coffee) to obtain the cleanest piece of cloth out of all the samples of clothes at the end of the experiment.

Procedure

Step 1 : Label on the bottom left of cloth with the detergents that are going to be used with a permanent marker (to indicate which cloth has which detergent used on it)

Step 2 : Smear the food stain (milk coffee) on the labelled pieces of cloths (to stain the cloths with the milk coffee)

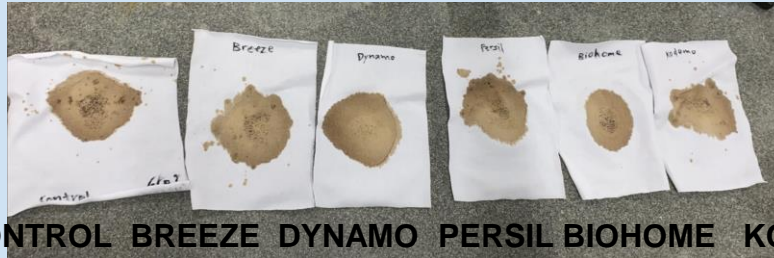
Step 3 : use the detergent on the food stain smeared on the allocated cloth pieces (to apply the detergent on the stained cloth)

Step 4 : scrub the food stain (to remove the stain as much as possible using the different detergents provided)

Step 5 : observe the results of the remaining food stains left on the cloth and collect our results to determine which detergent works the best (to wash the cloth and dry it in order to observe the overall result of the experiment, which is to conclude that which detergent is the most effective and which is the least effective)

Identity of food stain : Milk coffee

Before



CONTROL BREEZE DYNAMO PERSIL BIOHOME KODOMO

After



Persil



Kodomo



Biohome



Dynamo



Breeze

Results

Type of detergent used	Darkness of the stain left on the cloth (1-5, 1 being the lightest shade and 5 being the darkest shade)
Persil	1
Kodomo	2
Biohome	3
Dynamo	4
Breeze	5

Conclusion

We have concluded that out of all the detergents used, we could observe that the stained cloth which had been washed with Persil resulted in the lightest stain left whereas the cloth which was washed with Breeze was the darkest stain left. Based on the data table shown above, Persil was the most effective out of all of the detergents used to clean the cloths as it contains more enzymes such as lipase, amylase and protease to clean the cloth better compared to the other detergents

