Short Communication

Edible noodles (Vermicelli & Maggi) possesses good suspending activity and can use in Pharmaceutical formulation
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Abstract: Suspensions are prepared using Vermicelli, Maggi and tragacanth as suspending agents. Suspension are subjected o sediment all together and the ultimate height and sedimentation volume are measured. It is found that both the vermicelli and maggi are having very nice suspending activity.

Keywords: Resealed Erythrocytes, Cellular Carriers, Carrier Erythrocytes, Carrier RBCs.

INTRODUCTION
Suspensions are defined as heterogeneous system consisting of two phases. The continuous (or) semisolid (or) external phase and internal phase (or) dispersed phase which is made up of particulate matter i.e., insoluble in but dispersed throughout the continuous phase [1].

Vermicelli and Maggi are widely used in India. When Vermicelli and maggi are mixed with water these become sticky in nature. So these can be used as suspending agents[2,3]. Both these two materials are food materials and if we used in suspension along with medicines the patient will get the nutrients. Since these are food materials so it will not produce any toxic effects.

MATERIALS
Chemicals
Light Kaolin, Magnesium carbonate, Calcium carbonate, Tragacanth, Vermicelli and Maggi (manufactured by NESTLE, India).

Apparatus
Morter and pestle, Beaker, Measuring cylinder, Spatula.

Prescription of suspension[3,4]

Suspension (Control)
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Distilled Water q.s.

Suspension T (1%)
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Tragacanth 1gm
Distilled Water q.s.

Suspension T (2%)
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Tragacanth 2gm
Distilled Water q.s.

Suspension M (1%)100 ml
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Maggi 1gm
Distilled Water q.s.

Suspension M (2%) 100 ml
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Maggi 2gm
Distilled Water q.s.

Suspension S(1%) 100 ml
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Vermicelli 1gm
Distilled Water q.s.

Suspension S (2%) 100 ml
Light Kaolin 1gm
Magnesium carbonate 1 gm
Calcium carbonate 1gm
Vermicelli 2gm
Distilled Water q.s.

METHOD [5]
Suspension is prepared by Wet method. Specific amount of light Kaolin, magnesium carbonate, Calcium carbonate are taken in a clean mortar and then triturated.
properly. Specific amounts of Tragacanth, vermicelli and maggi are added and triturated. Small amount of distilled water is added and make a smooth paste. Then taken in a measuring cylinder and make up the volume upto 100 ml by distilled water.

RESULTS:

| Table1: sedimentation volume of suspension using 1% suspending agent |
|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Time (min)      | Ultimate Height (Hu) Control (0%) | Sedimentation Volume (Control) | Ultimate Height (Hu) Tragacanth (T) (1%) | Sedimentation Volume (T) (1%) | Ultimate Height (Hu) Vermicelli (S) (1%) | Sedimentation Volume (S) (1%) | Ultimate Height (Hu) Maggi (M) (1%) | Sedimentation Volume (M) (1%) |
| 0              | 100             | 1              | 100             | 1              | 100             | 1              | 100             | 1              |
| 2              | 85              | 0.85           | 92              | 0.92           | 90              | 0.90           | 85              | 0.85           |
| 5              | 74              | 0.74           | 85              | 0.85           | 78              | 0.78           | 76              | 0.76           |
| 10             | 57              | 0.57           | 60              | 0.60           | 65              | 0.65           | 60              | 0.60           |
| 15             | 40              | 0.40           | 48              | 0.48           | 51              | 0.51           | 45              | 0.45           |
| 20             | 35              | 0.35           | 44              | 0.44           | 40              | 0.40           | 36              | 0.36           |
| 30             | 32              | 0.32           | 37              | 0.37           | 32              | 0.32           | 34              | 0.45           |

| Table2: sedimentation volume of suspension using 2% suspending agent |
|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Time (min)      | Ultimate Height (Hu) Control (0%) | Sedimentation Volume (Control) | Ultimate Height (Hu) Tragacanth (T) (2%) | Sedimentation Volume (T) (2%) | Ultimate Height (Hu) Vermicelli (S) (2%) | Sedimentation Volume (S) (2%) | Ultimate Height (Hu) Maggi (M) (2%) | Sedimentation Volume (M) (2%) |
| 0              | 100             | 1              | 100             | 1              | 100             | 1              | 100             | 1              |
| 2              | 85              | 0.85           | 97              | 0.97           | 96              | 0.96           | 96              | 0.96           |
| 5              | 74              | 0.74           | 92              | 0.92           | 89              | 0.89           | 88              | 0.88           |
| 10             | 57              | 0.57           | 81              | 0.81           | 78              | 0.78           | 73              | 0.73           |
| 15             | 40              | 0.40           | 69              | 0.69           | 65              | 0.65           | 60              | 0.60           |
| 20             | 35              | 0.35           | 58              | 0.57           | 55              | 0.55           | 48              | 0.48           |
| 30             | 32              | 0.32           | 41              | 0.41           | 38              | 0.38           | 36              | 0.36           |

Fig-1: Sedimentation volume of various formulation
CONCLUSION
Both maggi and vermicelli are noodles which are widely used as food. From the above experiments it was found that both Maggi and Vermicelli having suspending activity. When maggi, vermicelli and tragacanth are used as suspending agents in same concentration it was found that vermicelli is having more suspending activity than maggi. But it is clear that vermicelli having less activity than Tragacanth. Since both are food materials and having very nice suspending activity so it can be used.

REFERENCES
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