

# Que-solving Film

A Schizophrenic Friendly Film



## About the film

Quetiapine is medicine for schizophrenic patient. Formulating into orally disintegrating film makes taking the medicine easy and can solve non-compliance problem in health care. It is novel because there's no such product in the market yet. The product comes in a roller tape form is a new concept and will be a game changer in future healthcare product evolution.

Our research team has been working for more than 3 years on orally disintegrating film dosage forms and have published multiple papers in international journal. The project is in collaboration with Duopharma for technical advice, e-spray for packaging design and Dong Foong for scale up possibility.

In conclusion, the intention of the research and formulation is to ensure that we get to implement our knowledge into reality in order to achieve the common objective of improving the quality of life of patients.

## WHY is it so good???

- Easy to produce
- Very thin (0.92mm)
- Easy to administer
- Cost effective
- Pleasant taste
- Flexible (Folding endurance >200)
- Good mechanical strength (0.005kPa)
- Presentable and creative packaging.
- Fast dissolving in mouth
- Suitable for all age
- Good uniformity
- Light-weight
- Easy to handle and carry

## HOW to produce the film?

The film requires:

1. Quetiapine fumarate 0.05g
2. Starch 0.09g
3. Glycerin 0.04g
4. Ascorbic acid 0.006g
5. Stevia 0.05g
6. Distilled water
7. Colouring agent

Produced by solvent casting methods.

The starch is added with water and heated. Other ingredients are added into the viscous starch solution.

The solution is pour onto a casting mould and dried in oven.

Product is cut into 2cm x 2cm.

PREPARED BY:

PHANG HIU CHING, NG ZHI QI, LOKE YING HUI, AP. TS. DR LIEW KAI BIN