A major innovation in the dietary management of glycogen storage disease (GSD)
**Glycosade®**

A major innovation in the dietary management of glycogen storage disease (GSD). Suitable from 2 years of age.

**WHAT IS GLYCOSADE?**

A modified cornstarch for use in the dietary management of glycogen storage disease (GSD) where the use of a long acting starch is indicated.

**HOW WAS GLYCOSADE DEVELOPED?**

Vitaflo partnered with international metabolic experts, research scientists and the GSD patient community to source, process and clinically validate a more suitable product that would maintain normoglycemia for longer and improve metabolic control in GSD.

**WHY IS GLYCOSADE DIFFERENT FROM UNCOOKED CORNSTARCH (UCCS)?**

Glycosade’s success as a slow-release carbohydrate is based on a combination of two factors:

- High amylopectin content derived from waxy maize starch.
- Patented heat and moisture process used in production.

**CLINICAL EVALUATION HAS DEMONSTRATED THE ADVANTAGES OF GLYCOSADE OVER UCCS**

![Graph 1: Duration of Fasting on Uncooked Cornstarch and Glycosade](image1)

![Graph 2: Duration of Fasting Increase on Glycosade Compared with Uncooked Cornstarch](image2)

(Graphs taken from Corado MM, et al, 2013)
**Clinically Supported Benefits of Glycosade:**

**SLOWLY DIGESTED STARCH**

- Slower rise and fall in blood glucose concentration<sup>1,2,8</sup>
- May reduce insulin response<sup>3,4,8</sup>
- May reduce total carbohydrate intake from cornstarch therapy<sup>4,8</sup>
- Can be used to supplement traditional daytime dietary therapy<sup>3,4,5,8</sup>

**MAINTAINS NORMOGLYCEMIA FOR LONGER**

- Improved duration compared to standard cornstarch therapy<sup>1-8</sup>
- Effective as a night time feed<sup>2</sup>
- Slower development of hypoglycemia may improve safety in this population<sup>2</sup>

**LIMITS IN-DIGESTIBILITY**

- Reduced colonic fermentation which may improve digestibility<sup>1</sup>

**CONTRIBUTES TO IMPROVED QUALITY OF LIFE**

- Allows for longer periods of sleep for patients and caregivers<sup>2,4,5</sup>
- Increased flexibility in life-style<sup>2,4,5,6</sup>
- May eliminate need for nocturnal continuous enteral feed<sup>2,4,5</sup>
- May improve appetite<sup>4,5</sup>

**Administering Glycosade**

Metabolic response can vary between patients. All patients should undergo a formal assessment by their clinical team when starting Glycosade.

**IMPORTANT NOTICE:**

Regular monitoring with adjustment of dose according to glucose and other metabolic parameters is important during the initiation and as part of long term management. For more information please contact your local Vitaflo representative.

Glycosade can be mixed and taken in the same way as UCCS, but should NOT be mixed with hot food or drink. **Heating and warming destroys the unique properties of the starch.**

Glycosade trial kits are available to clinicians and can be requested through your local Vitaflo representative.

Glycosade is available in 60 g packets.

Each 60g packet of Glycosade has 53g of carbohydrate, which is equivalent to approximately 55g of UCCS.
References


For more information on Glycosade or to place an order, please call 1-888-VITAFLO or visit www.Vitaflo.ca.

NUTRITION INFORMATION

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<th>per 100g</th>
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<td>Fiber</td>
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MINERALS

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<th></th>
<th>mg/mmol</th>
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<tr>
<td>Sodium</td>
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1 level scoop is about 5g Glycosade. Scoop provided in trial kit.
60g Glycosade plus 100ml water Osmolality = 11 mOsm/kg
Displacement: 1 gram Glycosade powder displaces approximately 0.6 ml water.