

In calcium deficiency* and bone health

CALCIDEF™

Dicalcium Malate 400mg, Vit D2 400 IU, Folic Acid 100mcg, Glycine 10mg Tablets

Calcium with a **DIFFERENCE**

Superior alternative to Calcium Carbonate and other calcium supplements

- More efficient & sequential absorption
- Higher elemental calcium content
400mg elemental calcium
- 2 times more Calcium per molecule
- Longer half life
- Soluble across broad range of GI pH
- Can be taken with PPI therapy and antacids
No risk of reduced calcium absorption
- Gut "Friendly" Calcium
No gastric problems like bloating or flatulence
- Can be taken with or without food
- Augmented with glycine and vitamin D2

*Dietary calcium deficiency



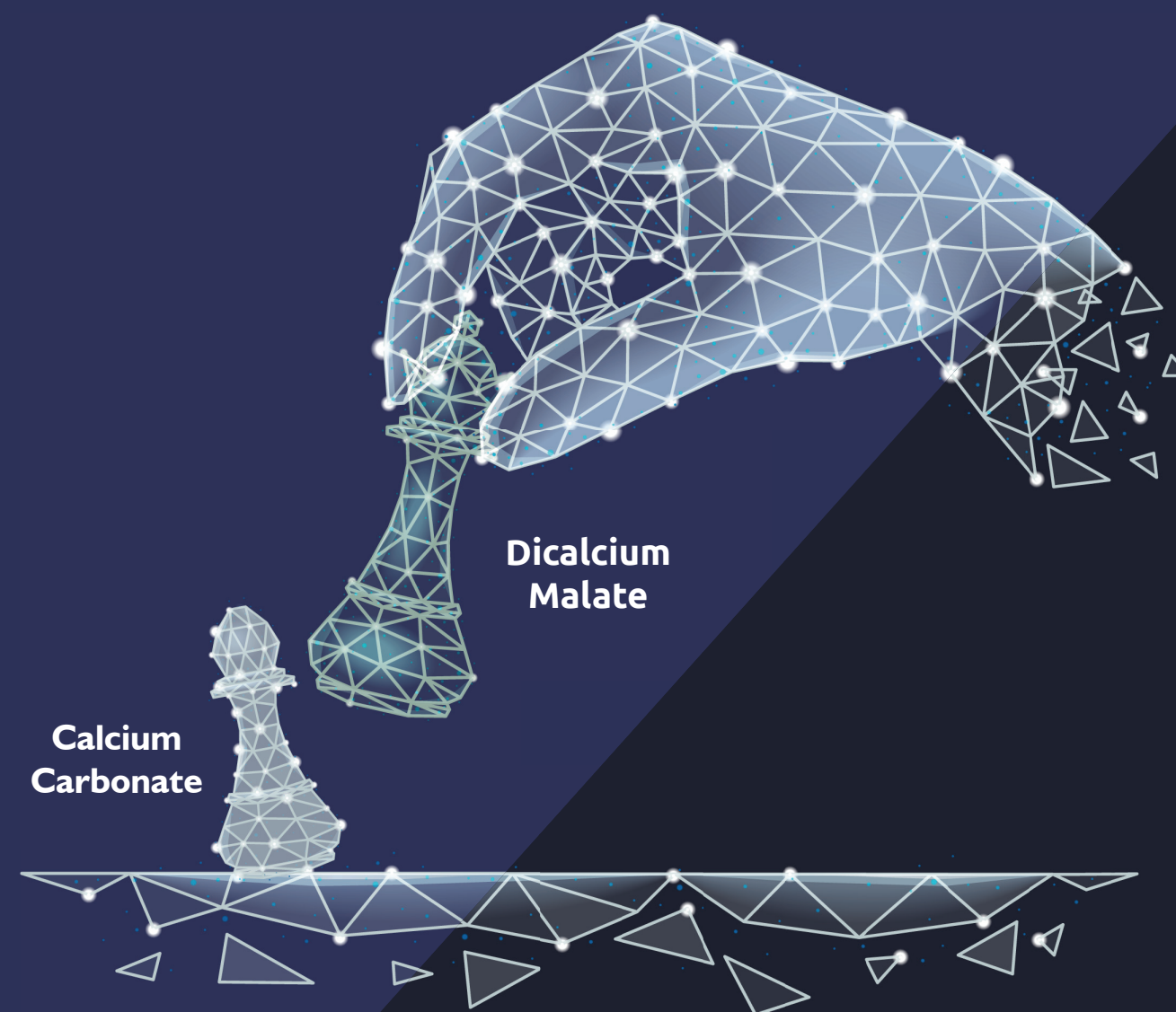
3000075024 | LC446657. Disclaimer: Health supplement. Not for medicinal use. This product is not intended to diagnose, treat, cure or prevent any disease

CLASSIC
a SUN PHARMA division

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Instead of just conventional Calcium Carbonate



Restart with

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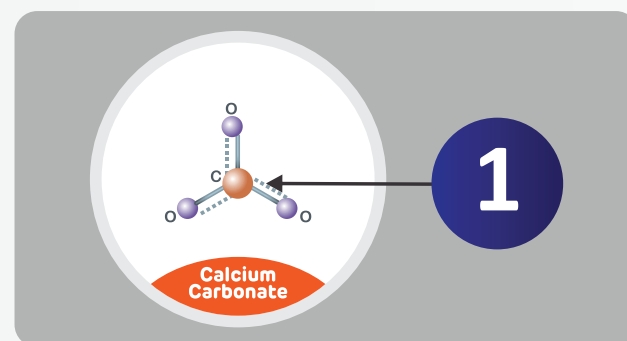
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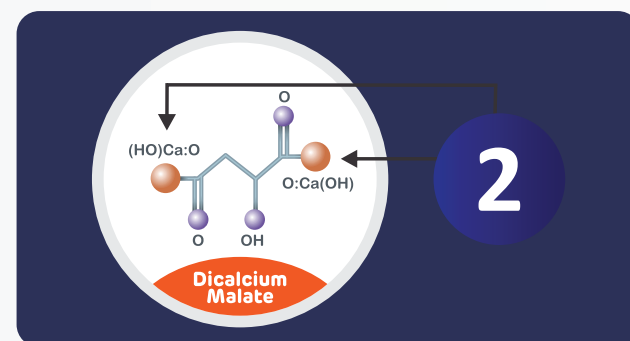
Calcium Carbonate



Only One Molecule of Ca

Ca Carbonate releases bunch of Ca at site of absorption

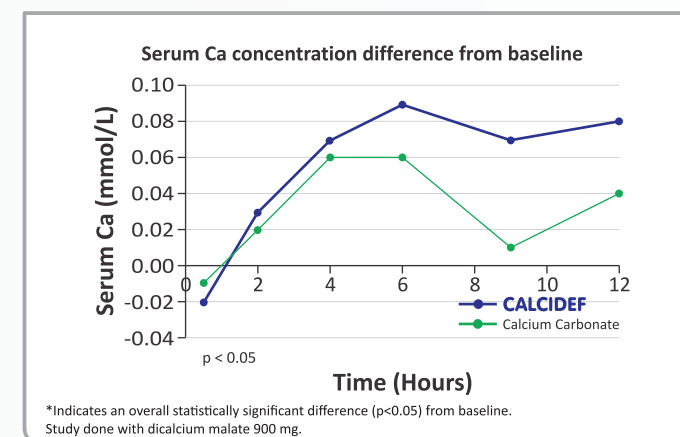
Dicalcium Malate



2 Molecules of Ca in single Molecule

Dicalcium Malate helps in Sequential Release of Ca

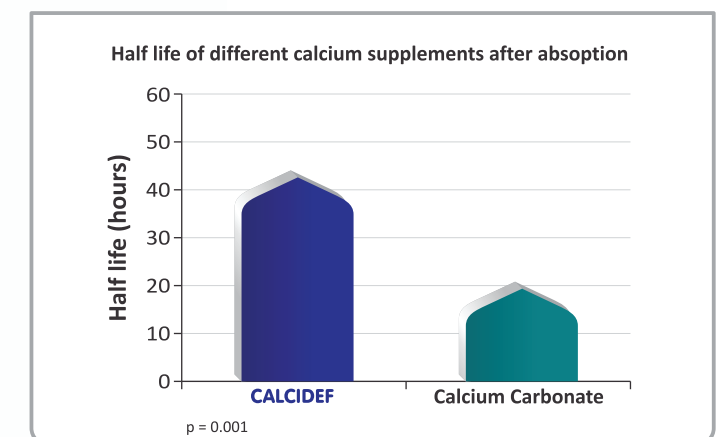
Improved Bioavailability¹



Calcium Carbonate

High Gastric PH affects its dissolution & solubility

Longer Half life (42.48hrs.)²



Dicalcium Malate

Dicalcium Malate is Soluble across broad range of PH due to presence of malic acid

1. Information available from https://firstendurance.com/wp-content/uploads/2010/03/DimaCal_SSW_final21.pdf accessed on 2 July 2020.
2. Mukherjee R et al. FASEBJ;10:A1063-A1064.

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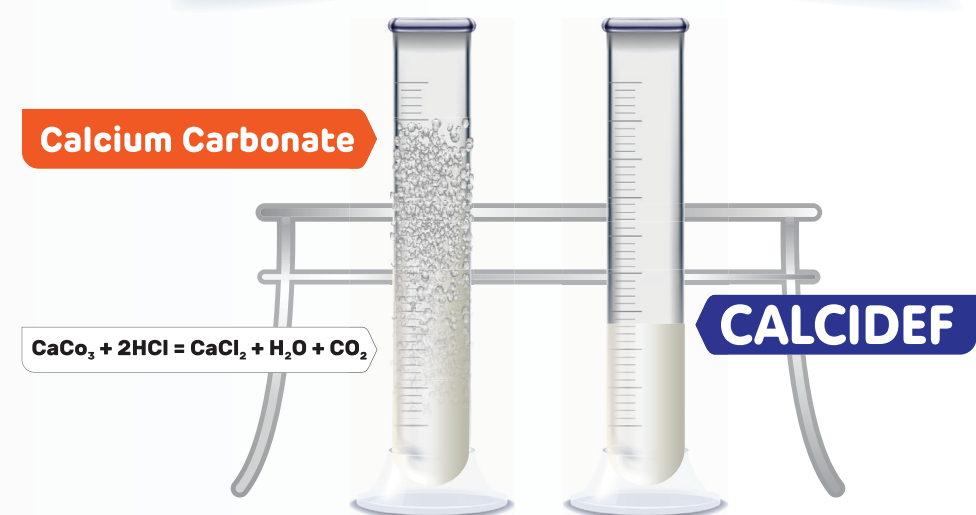
Calcium with a **DIFFERENCE**

Superior alternative to Calcium Carbonate

Better tolerated & Safe

- **No gastric problems seen**
- **No acid rebound & gas formation**

GI Friendly Calcium



Calcium Carbonate

CaCO_3 reacts with HCL to form CO_2 that causes gastric problems & poor compliance

Dicalcium Malate

Dicalcium Malate is GI Friendly Ca
No production of gas, hence no gastric problems

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Calcium with a **DIFFERENCE**

Higher Presence of Ca in absorbable form for longer time

Calcium Carbonate

Has to be taken with food for better absorption

PPI or Antacid therapy affects its solubility & absorption

Dicalcium Malate

Can be taken before/after food.

Can be taken along with antacid therapy or PPIs

Higher dissolution - Higher absorption

Comparative Dissolution %

Media	Calcidef	Calcium Carbonate
500 ml of 0.1 N HCl (gastric pH)	100.0	55.5
500 ml of 1N HCl, followed by 400 ml pH 4.5 Acetate Buffer	97.7	51.7
500 ml of pH 4.5 Acetate Buffer (pH under fed condition)	62.6	4.0
500 ml of Purified water	79.3	2.0
500 ml of pH 5.5 Citrate buffer (deodenal pH)	77.7	9.0
500 ml of 0.1N HCl, followed by 400ml pH 5.5 citrate buffer	99.2	56.5