

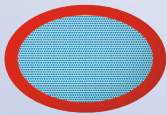
Dsolve Portfolio

Advanced solutions for **reduced crosslinking** and **fast dissolution**

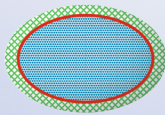
CROSSLINKING, A MAJOR CHALLENGE IN SOFT CAPS

Crosslinking causes:

- Longer dissolution time
- Minor drug release rate
- Reduced stability and shelf-life



Thermal (self) crosslinking



Chemical crosslinking

SUPERIOR PERFORMANCE IN THE PRESENCE OF CROSSLINKERS

Test results of capsules containing crosslinkers confirm that performance and dissolution rates of Dsolve are far above gold standard gelatins.

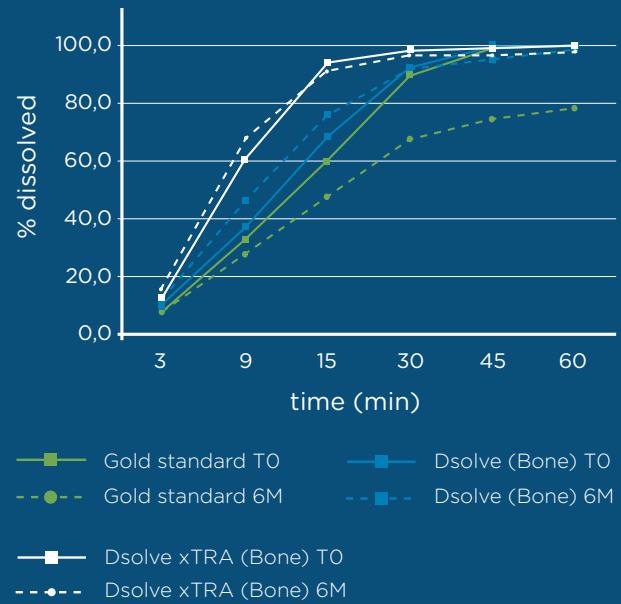


Figure: Dissolution rate fresh (T0) and after 6 months storage (6M) at 40°C/75% RH in the presence of crosslinkers in capsules filling.

Dsolve Portfolio



Dsolve PROVEN BENEFITS

Reduced gelatin shell crosslinking



Faster capsule dissolution



Rapid & reliable filling release



Improved stability & increased shelf life of final dosage formulations

Dsolve PRODUCT RANGE

Dsolve
Bovine bone



Dsolve P
Pig skin



Dsolve B
Beef hide



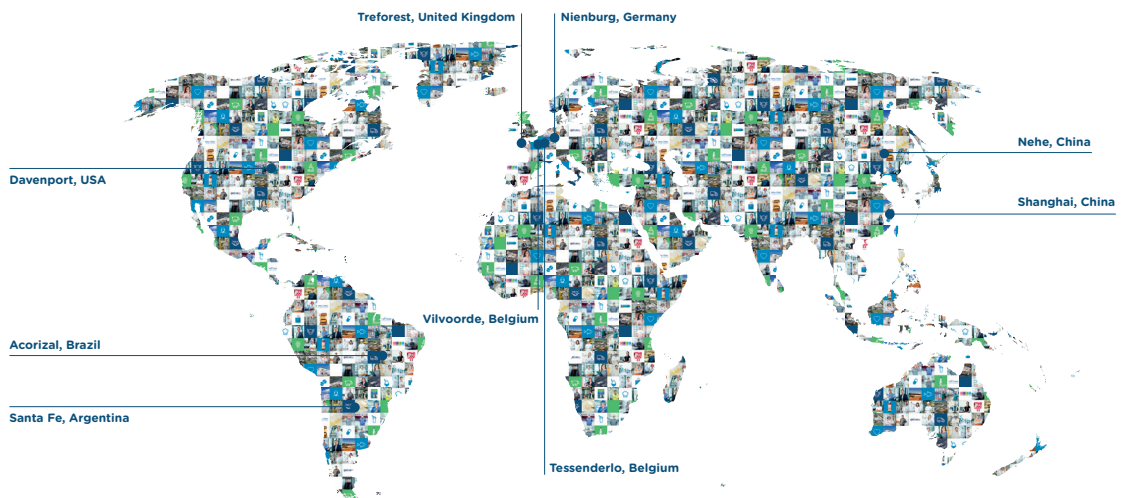
Dsolve xTRA
Bovine bone



ABOVE STANDARD MARKET PERFORMANCE:
reduced crosslinking & faster dissolution

SUPERIOR
performance vs Dsolve

We're here for you,
knowledgeable and approachable.



www.pbleiner.com | info@pbleiner.com

Part of Tessenderlo Group