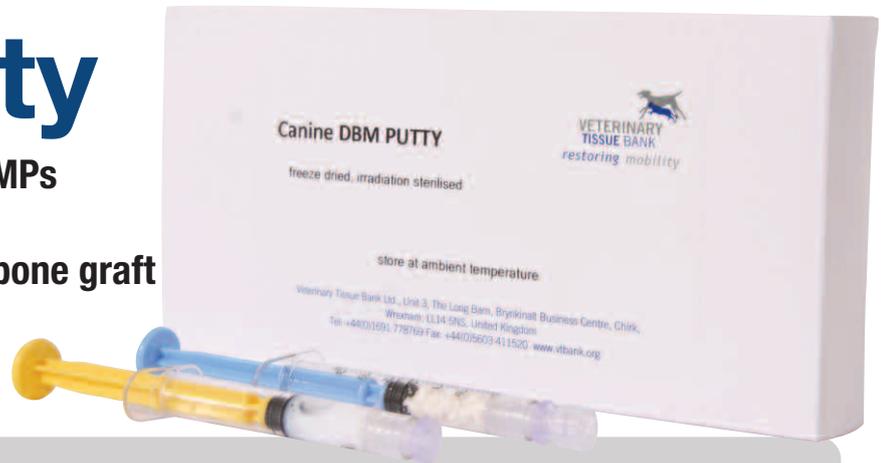


# DBM Putty

Providing species-specific BMPs  
Mouldable and Injectable  
Osteoinductive & Osteoconductive bone graft



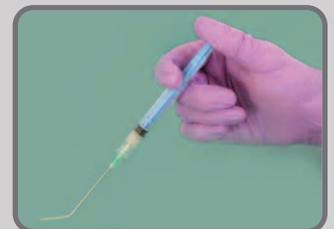
**DBM putty is an exclusive processed allograft bone product formulated into a paste/putty like texture. DBM putty contains Demineralised Bone Matrix (DBM) particulates in a natural carrier. Prior to use it is reconstituted with a nano crystalline hydroxyapatite aqueous suspension. The carrier allows the DBM to form a putty like texture whilst the nanocrystals offer a large surface area for cell attachment and stabilises the putty *in situ*.**

## Stimulates new bone formation

DBM putty contains growth factors including BMP-2 and -7 which are responsible for inducing new bone formation. DBM facilitates the natural process of bone growth via osteoinduction and osteoconduction.

## Excellent handling properties and minimally-invasive application

DBM putty is presented in a syringe after reconstitution. DBM putty sticks to the bone surface and is adaptable to the shape of the defect. This allows easy positioning and maximises the bone-implant interface. DBM putty is also injectable straight from a syringe directly to the surgical site. It can also be injected through a 14G needle for non-invasive delivery (e.g. during minimally - invasive plate osteosynthesis, MIPO).



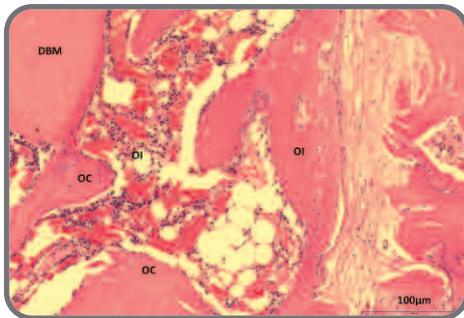
Tel: **+44(0) 1691 778769**  
Fax: **+44 (0) 5603 411520**  
Email: **info@vtbank.org**  
**www.vtbank.org**

  
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## Resists disintegration caused by blood

DBM putty stays inside the surgical site and resists migration caused by blood or irrigation. This is due to the formulation used in the preparation of the putty.



## Proven bone formation

DBM putty containing nanocrystalline hydroxyapatite shows ectopic bone formation when implanted in athymic rat muscle site demonstrating the osteoinductive properties of the putty. The level of osteoinduction is found to be the same as DBM powder.

## Safety and Storage

DBM putty is terminally sterilised by gamma irradiation ensuring sterility. It is available in freeze-dried form allowing room temperature storage with 2 years shelf life.



The Long Barn  
Brynkinalt Business Centre  
Chirk, Wrexham  
LL14 5NS  
United Kingdom

Tel: **+44(0) 1691 778769**  
Fax: **+44 (0) 5603 411520**  
Email: **info@vtbank.org**  
**www.vtbank.org**



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