

Optecure[®]



HANDLING
INSTRUCTIONS

SHAPING THE FUTURE
OF BONE REPAIR

HANDLING INSTRUCTIONS



1

What is required?

Everything required to prepare Optecure® is delivered in a single, room-temperature package:

- 1 jar of lyophilized dry mix Optecure (DBM, hydrogel carrier) or dry mix Optecure+ccc (DBM, CCC, hydrogel carrier)
- Sterilized buffered saline solution
- 1 sterilized mixing spatula

Open

Open the box of Optecure and remove the two pouches.

POUCH 1:

- The sterile inner pouch contains buffered saline solution and a mixing spatula.
- Open the outer pouch and introduce the inner pouch into the sterile field.

POUCH 2:

- **Optecure:** The sterile inner foil pouch contains aseptically processed Optecure DBM and a carrier in a plastic jar.
- **Optecure+ccc:** The sterile inner foil pouch contains aseptically processed Optecure DBM, irradiated CCC and a carrier in a plastic jar.
- Open the outer pouch and introduce the inner foil pouch into the sterile field.

Mixing with ABG

- **Optecure:** Combine Optecure 1:1 with autogenous bone.
- **Optecure+ccc:** Combine Optecure+ccc 2:1 with autogenous bone. (Two parts Optecure+ccc to one part autogenous bone)
- Add the measured bone into the jar of Optecure or into the jar of Optecure+ccc.
- Mix the contents until putty is formed. If needed, use additional blood or buffered saline to achieve the consistency desired for each surgical situation.



2



3

Optecure hydration

Note: Optecure and Optecure+ccc may be prepared with different diluents (see table below).

Introduce increased volumes of diluents to deliver a more flowable or syringable putty. Reduce the volume of diluents to create a more robust and moldable putty.

- Sterile Buffered Saline – Introduce the provided saline, normal saline or water for injection to the dry powder, stirring until completely hydrated in a putty form. This step should take no more than one minute.
- For more robust handling, blood may be used in place of the buffered saline.



4



5

Implantation

- Remove the resultant putty from the mixing jar, mold into desired shape and apply directly to the surgical site.
- Optecure may be put into a syringe for percutaneous application.



FOR REFERENCE

Optecure	ABG	Blood or PBS (reduced volumes)	Blood or PBS (increased volumes)	Optecure +ccc	ABG	Blood or PBS (recommended max volumes)
1cc	1cc (1:1)	0.6cc	0.8cc*	1cc	.5cc (2:1)	0.7cc*
2cc	2cc (1:1)	1.2cc	1.6cc	2cc	1cc (2:1)	1.4cc
5cc	5cc (1:1)	3.0cc	4.1cc	5cc	2.5cc (2:1)	3.4cc
10cc	10cc 1:1)	6.0cc	8.2cc	10cc	5cc (2:1)	6.8cc
20cc	20cc (1:1)	12.0cc	16.4cc	20cc	10cc (2:1)	13.6cc

*Rounded Values

HANDLING INSTRUCTIONS (*cont.*)

Optecure and Optecure+ccc may be hydrated with different diluents.

- Introduce the reduced volumes to create a robust and moldable putty.
- Introduce the increased volumes to deliver a more flowable or syringable putty.

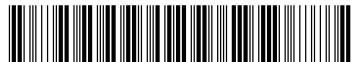
Optecure and Optecure+ccc remain formable, yet resistant to lavage.

Optecure and Optecure+ccc are delivered dry in a mixing jar for quick and convenient hydration. This jar may be used to combine the Optecure and Optecure+ccc with required ingredients.

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