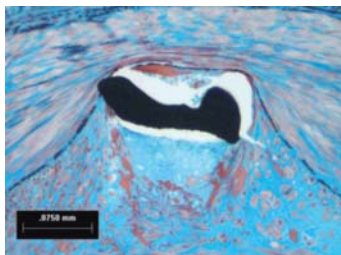


The **next generation DES** is a polymer-free, targeted and effective drug eluting stent system with a highly biocompatible stent surface to improve safety.

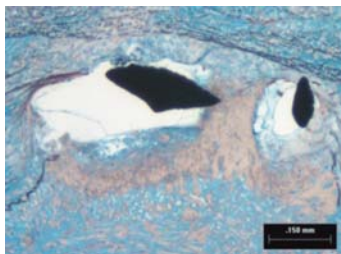
The Cre8TM polymer-free platform does not trigger inflammation

The **Cre8TM polymer-free** platform reduces tissue reaction and shows minimal acute and chronic inflammatory response.

Histology in pig coronary artery

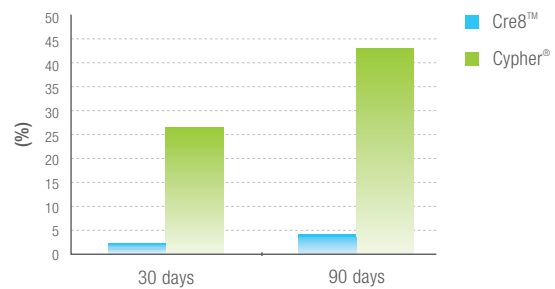


Cre8TM @ 30 days: tissue response with preservation of vessel anatomy.

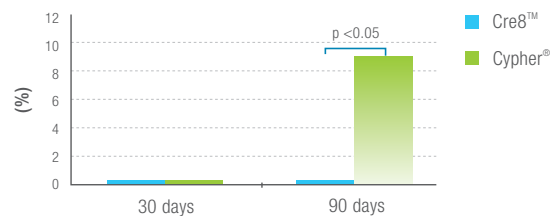


Cypher[®] @ 30 days: tissue response with heavy cell infiltration (inflammation).

Struts with Inflammation

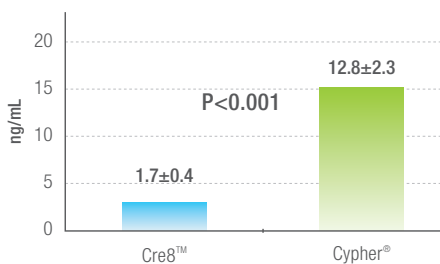


Struts with Granulomas



Targeted elution with minimal blood washout

Minimal blood washout



Drug concentration in blood in rabbit model (pharmacokinetic study).

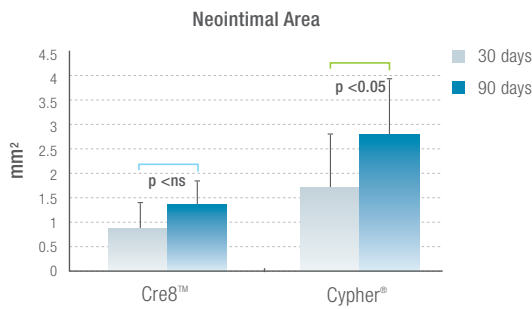
The proprietary **Cre8TM Abluminal Reservoir Technology** targets Sirolimus, formulated with an amphiphilic carrier, exclusively towards the vessel wall.

The unique Amphilimus drug formulation is contained and protected within deep abluminal reservoirs, minimizing blood washout and preserving endothelialization.

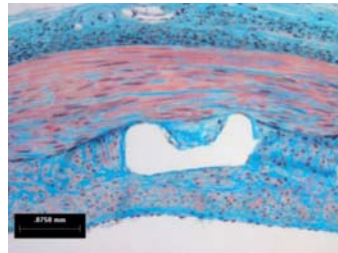


Cre8™: efficacy and safety with no trade-offs

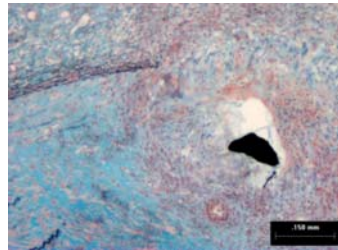
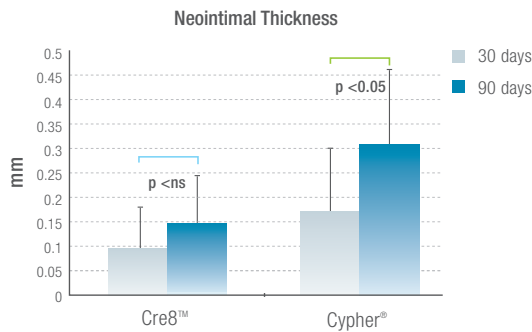
The **Amphilimus formulation** filled reservoirs maximize efficacy. The Bio Inducer Surface promotes complete vessel healing with cell colonization of the reservoirs, avoiding chronic inflammatory rebound.



Histology in pig coronary artery



Cre8™ @ 90 days: thin neointima with cell colonization into reservoirs.

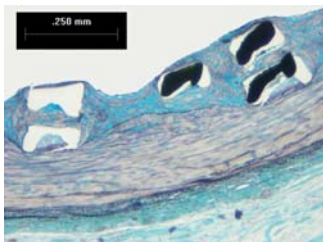


Cypher® @ 90 days: polymer related large granuloma around stent struts.

Cre8™ is also safe with double drug dosage

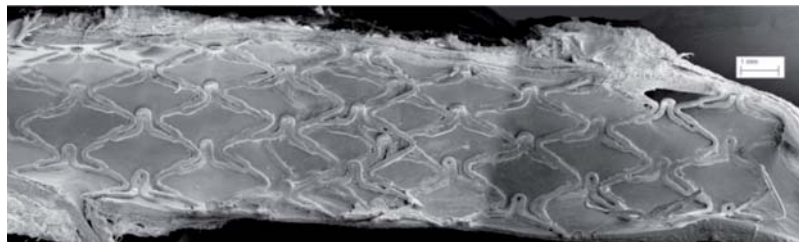
The safety profile of **Cre8™** with the Bio Inducer Surface has been assessed with overlapped stents in porcine models. Vessel healing and full endothelization is confirmed even with double dose and without inflammatory response.

Histology in pig coronary artery



Cre8™ @ 30 days: mild tissue response similar to the single dose stent.

SEM in pig coronary artery



Cre8™ @ 7 days: full endothelization at overlapped areas without thrombotic clots.