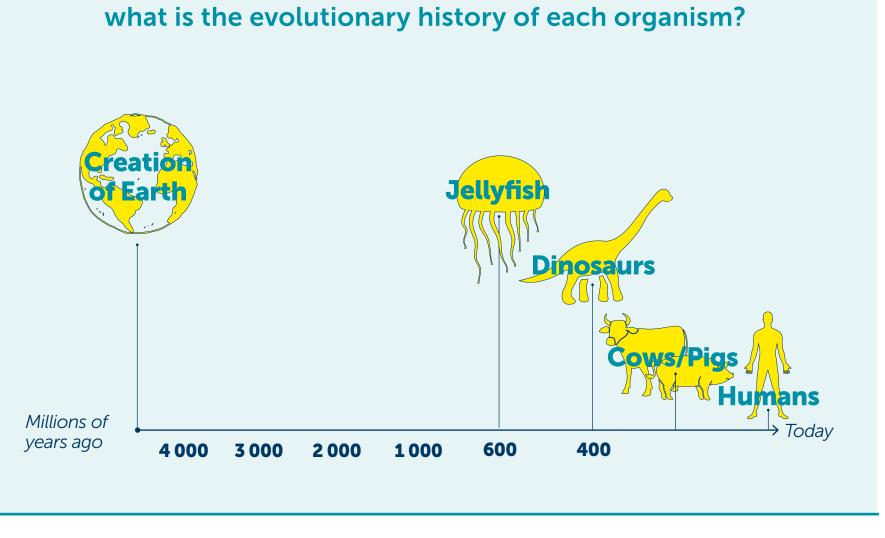


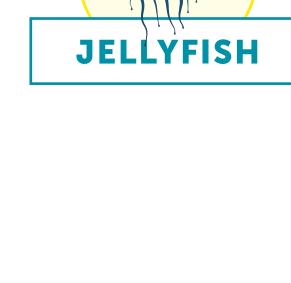
CLASH COLLAGENS

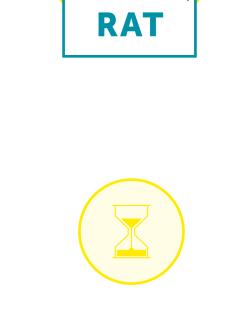
Choosing the correct collagen substrate is an important decision to make, as one collagen may be more suitable than another. But how

do you know which collagen is right for your research and application? To help you decide, we have created a handy comparative infographic of four main sources of collagen: Jellyfish, Rat, Bovine & Porcine.

EVOLUTION













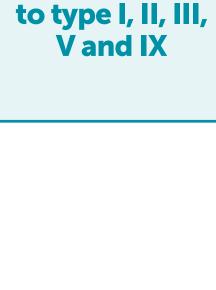


Type I, II or III

In use for

more than

30 years



Simple

Very low

29 sequences

(liquid/dry, coated

plates, 3D scaffolds

and hydrogel)

Homologous

An innovative new

material in use for

just a few years



how complicated is the physical structure of each collagen?

Complex

Type I



Complex









400 sequences

Many

different

forms



MicroRNA

RNAs does each collagen have?

Unknown

AVAILABLE PRODUCTS how many products are commercially available for each collagen type?

SUSTAINABILITY

how environmentally-friendly is each form of collagen?

(coated plates

and gels)



pest species



Naturally

high

consistency







controlled herds

High carbon

footprint

High use of **non-**

recyclable plastic

Consistent if

commercially

manufactured



CONSISTENCY how much do batches of each collagen differ from each other (affecting cell culture results)?

BATCH-TO-BATCH

Consistent if

commercially

manufactured

QUALITY CONTROL

does each type of collagen satisfy

specific compliance regimes?

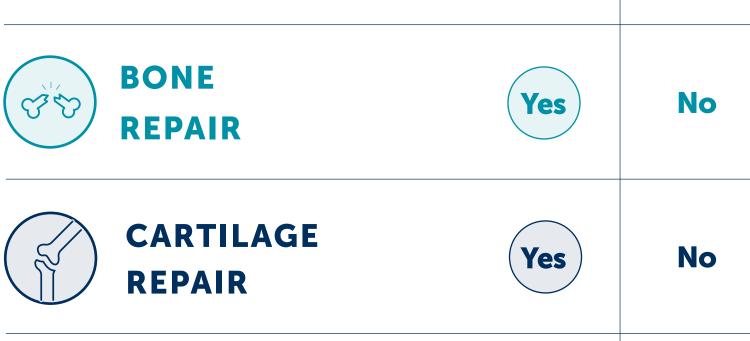




FOR HUMAN TRIALS

WOUND

Yes



COMMON

TISSUE

REPAIR

APPLICATIONS

ENGINEERING

IMPLANTABLE

(E.G. NERVE WRAPS)

DEVICES

CULTURE

CELL



No

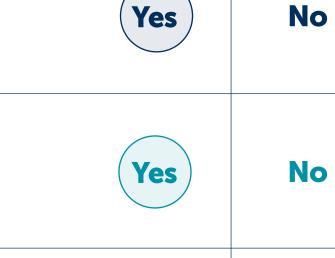
Yes

Yes

Yes

Yes





Yes

Yes





