

NovaGenesis Product Guide

The NovaGenesis platform brings the power of supercritical CO₂ (scCO₂) into the laboratory at a bench top scale at an affordable price. This system can be configured with different vessel sizes, pressure ratings, and controls that align with a lab's requirements and budget. The NovaGenesis is a low temperature system (~35°C) that can be used to sterilize, decellularize, clean, and functionalize medical devices, tissues, and biomaterials.



Model	Description	Sterilize	Impregnate	Decell	Purge
NovaGenesis QP-1000	970 mL vessel Rated for 2,900 psi, 50°C Vessel internal dimensions: Diameter = 3.75", Height = 5.4"	Yes	Yes	Yes	Yes
NovaGenesis Plus-600	600 mL vessel Rated for 3,000 psi, 50°C Vessel internal dimensions: Diameter = 2.5", Height = 8"	Yes	Yes	Yes	No
NovaGenesis Plus-1000	970 mL vessel Rated for 2,900 psi, 50°C Vessel internal dimensions: Diameter = 3.75", Height = 5.4"	Yes	Yes	Yes	No
NovaGenesis 600	600 mL vessel Rated for 2,000 psi, 50°C Vessel internal dimensions: Diameter = 2.5", Height = 8"	Yes	Yes	No	No
NovaGenesis 1000	1000 mL vessel Rated for 2,000 psi, 50°C Vessel internal dimensions: Diameter = 3.9", Height = 5.4	Yes	Yes	No	No

At approximately 60 lbs., and in a form factor of W: 24", L: 20", H: 12", the NovaGenesis is a benchtop unit that is becoming an essential piece of equipment for groups conducting regenerative medicine, biomaterials, and medical device research.