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**(71) Applicant(s):**

BIOCOMPATIBILITY INNOVATION SRL [IT/IT]; Via Enrico Petrella, 4 35132 Padova (IT) *(for all designated states)*

**(72) Inventor(s):**

NASO, Filippo; Via Palugana Nord, 55/b 35045 Ospedaletto Euganeo (IT)

GANDAGLIA, Alessandro; Via Como, 8 35030 Rubano (IT)

**(74) Agent(s):**

RIGAMONTI, Dorotea; c/o JACOBACCI & PARTNERS S.p.A. Via Senato, 8 I-20121 MILANO (IT)

**(54) Title (EN):** METHOD FOR INACTIVATING XENOANTIGENS IN BIOLOGICAL TISSUES

**(54) Title (FR):** PROCÉDÉ D'INACTIVATION DE HÉTÉRO-ANTIGÈNES DANS DES TISSUS BIOLOGIQUES

**(57) Abstract:**

**(EN):** A method for inactivating xenoantigens in biological tissues, particularly in tissues that can be used to manufacture bioprosthetic substitutes and/or in bioprosthetic substitutes that are already prepared and intended for human or veterinary clinical use. Such method entails the following steps: - providing a solution based on phenolic compounds, polyphenolic compounds or derivatives thereof, for the inactivation of at least part of the xenogeneic epitopes from such tissues; - incubating the samples to be treated in the various solutions based on phenols/polyphenols in controlled conditions; - subjecting the treated tissues to a series of washes.

**(FR):** L'invention concerne un procédé qui permet d'inactiver des hétéro-antigènes dans des tissus biologiques, en particulier dans des tissus qui peuvent être utilisés pour fabriquer des substituts bio-prothétiques et/ou dans des substituts bio-prothétiques qui sont déjà préparés et conçus pour une utilisation clinique, humaine ou vétérinaire. Un tel procédé consiste : - à fournir une solution à base de composés phénoliques, de composés polyphénoliques ou de dérivés de ceux-ci, pour l'inactivation d'au moins une partie des épitopes hétéro-géniques de tels tissus ; - à incuber les échantillons à traiter dans de diverses solutions à base de phénols/ polyphénols dans des conditions contrôlées ; - à soumettre les tissus traités à une série de lavages.

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