

## *Lactobacillus plantarum* Tensia

### Patendid:

- **Eesti patent EE05340**, esitatud 13.05.2008, välja antud 16.08.2010, “Isoleeritud mikroorganismi tüvi *Lactobacillus plantarum* Tensia DSM 21380 kui antimikroobne ning vererõhku alandav probiootik, seda sisaldav toiduaine ja kompositsioon ning mikroorganismi kasutamine vererõhku langetava ravimi valmistamiseks ning meetod toiduaines mittestarter-laktobatsillide toime allasurumiseks”, autorid Epp Songisepp, Marika Mikelsaar, Merle Rätsep, Mihkel Zilmer, Pirje Hütt, Meeme Utt, Kersti Zilmer, Janne Üksti, Siiri Kõljalg. Patendiomanik: Tervisliku Piima Biotehnoloogiate Arenduskeskus OÜ.
- **Euroopa patent EP2309870**, esitatud 12.05.2009, välja antud 04.05.2012, “Isolated microorganism strain *Lactobacillus plantarum* Tensia DSM 21380 as antimicrobial and antihypertensive probiotic, food product and composition comprising said microorganism and use of said microorganism for preparation of antihypertensive medicine and method for suppressing pathogens and nonstarter lactobacilli in food product”, autorid Epp Songisepp, Marika Mikelsaar, Merle Rätsep, Mihkel Zilmer, Pirje Hütt, Meeme Utt, Kersti Zilmer, Janne Üksti, Siiri Kõljalg. Patendiomanik: Tervisliku Piima Biotehnoloogiate Arenduskeskus OÜ.
- **Venemaa patent RU2477750** esitatud 12.05.2009, välja antud 20.03.2013, “Isolated microorganism strain *Lactobacillus plantarum* Tensia DSM 21380 as antimicrobial and antihypertensive probiotic, food product and composition comprising said microorganism and use of said microorganism for preparation of antihypertensive medicine and method for suppressing pathogens and nonstarter lactobacilli in food product“, autorid Epp Songisepp, Marika Mikelsaar, Merle Rätsep, Mihkel Zilmer, Pirje Hütt, Meeme Utt, Kersti Zilmer, Janne Üksti, Siiri Kõljalg. Patenditaotleja: Tervisliku Piima Biotehnoloogiate Arenduskeskus OÜ.
- **Korea patent nr KR10-1587195** esitatud 13.12.2010, välja antud 14.01.2016 “Isolated microorganism strain *Lactobacillus plantarum* Tensia DSM 21380 as antimicrobial and antihypertensive probiotic, food product and composition comprising said microorganism and use of said microorganism for preparation of antihypertensive medicine and method for suppressing pathogens and nonstarter lactobacilli in food product“, autorid Epp Songisepp, Marika Mikelsaar, Merle Rätsep, Mihkel Zilmer, Pirje Hütt, Meeme Utt, Kersti Zilmer, Janne Üksti, Siiri Kõljalg. Patendiomanik: Tervisliku Piima Biotehnoloogiate Arenduskeskus OÜ.

**Patentitaotlused:**

- **USA patent** nr 12992873, esitatud 15.11.2010, “*Isolated microorganism strain Lactobacillus plantarum Tensia DSM 21380 as antimicrobial and antihypertensive probiotic, food product and composition comprising said microorganism and use of said microorganism for preparation of antihypertensive medicine and method for suppressing pathogens and nonstarter lactobacilli in food product*”,

**Patents**

**Estonian patent EE05340**, granted 16.08.2010 Isolated microorganism strain *Lactobacillus plantarum Tensia DSM 21380* as antimicrobial and antihypertensive probiotic, food product and composition comprising said microorganism and use of said microorganism for preparation of antihypertensive medicine and method for suppressing pathogens and nonstarter lactobacilli in food product”,

**European patent EP2309870**, granted 04.05.2012, "EP2309870 is validated in following countries:

- United Kingdom – GP/EP2309870 “
- Sweden – SE/EP2309870”.
- Germany – DE/EP2309870 (60 2009 007 496.2) “
- France – FR/EP2309870 “
- Finland – FI/EP2309870 “
- Czech Republic – CZ/EP2309870 “
- Poland – PL/EP2309870
- Hungary – HU/EP2309870
- Lithuania – LT/EP2309870
- Latvia – LV/EP2309870

European patent is in force in the following countries: CY/CZ/LT/LV/PL/SE/DE/FI/GB/HU

**Korean patent KR10-1587195** granted 14.01.2016

**Russian patent RU2477750** granted 20.03.2013

**Pending patent applications:**

**US patent application US12992873** filed 12.06.2014