

LR92



Limosilactobacillus reuteri LR92

The best start for a new life

Infant colic is a condition that affects approx. 20% of infants under 3 months of age, and is often described as “**excessive crying**”. Its aetiology is unclear but likely related to psychological and physiological causes.

In children, colic leads to sleeping problems and may cause allergies, migraine, attention deficit and hyperactivity as long-term effects, but it can also cause sleeping disorders and depression in parents, due to the continuous crying and the sleepless nights.

Probiotic administration during pregnancy has shown several benefits in infants post-birth, including improved gut health.

Furthermore, due to the short duration of colic (first 3 months) and the time required for probiotics to develop their protective function, a preventive administration in the pregnant mother is the ideal solution to prevent colic onset in infants after birth.

LR92 is the first probiotic with demonstrated improvement of infant colic in babies when consumed during the last trimester of pregnancy

Hypoallergenic

Vegetarian

Gluten free

Kosher

Halal

GMO free

Genome Sequenced

Gastric resistant

CultureScience



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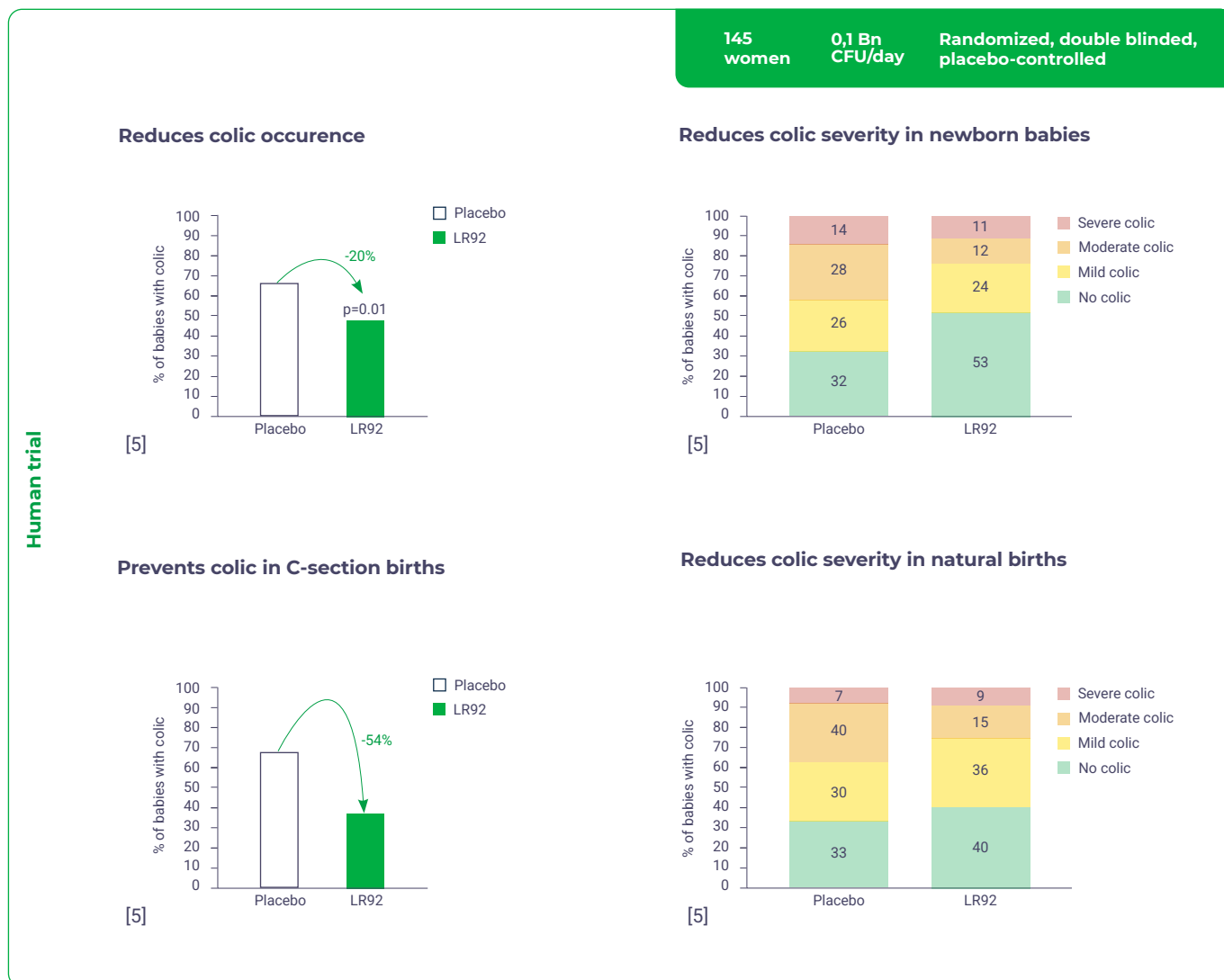
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LR92 reduces colic

Several mechanisms of action have been proposed to explain how prenatal administration of probiotics can improve infant colic [3-5]:

- Increasing levels of anti-inflammatory mediators such as IL-10 and TGF- β in breast milk, which in turn stimulate the gut development and IgA secretion, control inflammation and improve gastrointestinal function
- Improving gut barrier function by stabilizing tight junctions and mucin production
- Promoting production of gamma aminobutyric acid (GABA), which is the major inhibitory neurotransmitter, and influences behavior
- Modulating gut microbiota development.

LR92 clinical evidences



LR92 facts

- LR92 is the first and only probiotic strain that is clinically proven to improve infant colic via prenatal administration.
- Being consumed by expectant mothers in the last trimester of pregnancy, LR92 is effective from birth.
- LR92 benefits have also been proven clinically significant for babies born via C-section.
- The low daily dosage allows for LR92 to be easily incorporated into existing pre-natal formulations which include other vital nutrients for pregnant mothers.



[1] Zeevenhooven J, et al., Nat Rev Gastroenterol Hepatol 15(8):479-496 (2018) [2] <https://www.mayoclinic.org/diseases-conditions/colic/symptoms-causes/syc-20371074>
 [3] Sung V, et al., BMC Pediatr 12:135 (2012) [4] Pérez-Castillo ÍM, et al., Nutrients 17;13(1):256 (2021) [5] Pourmirzaiee MA, et al., Eur J Pediatr 179, 1619–1626 (2020)



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