PuppyBoost

Energy booster For newborn puppies and kittens









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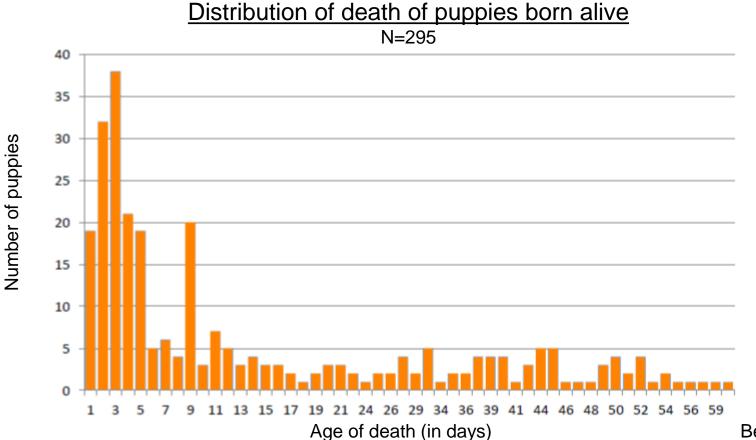
• To know more: gut microflora, probiotics, fatty acids absorption







• Most of puppy mortality occurred in the first days of life



Belin, M. 2013

PuppyBoost target



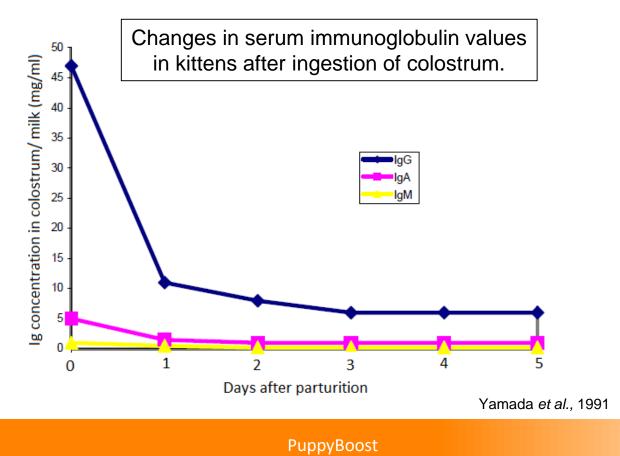
- Energy booster for weak puppies and kittens
 - ✗ Newborns stimulant
 - ✗ Brings ready to use energy
- Energy booster for hypoglycemic young and adult dogs
- It brings:
 - ✗ Ready to use energy supply
 - 🔀 Vitamins
 - **Tea and siberian ginseng (***Eleutherococcus senticoccus***)**
 - **Symbiotics**:
 - Probiotics (bacteria *E. faecium*) and prebiotics (yeast walls)



PuppyBoost target



• A quick access to colostrum is the key to get the best of the colostrum.

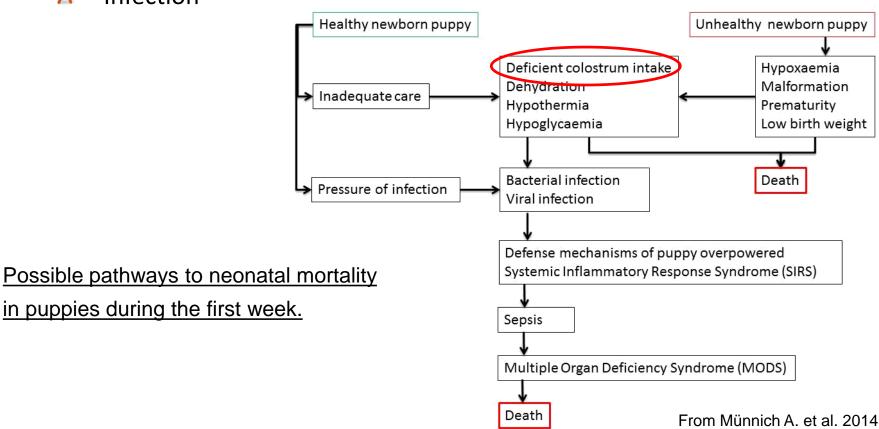




PuppyBoost target

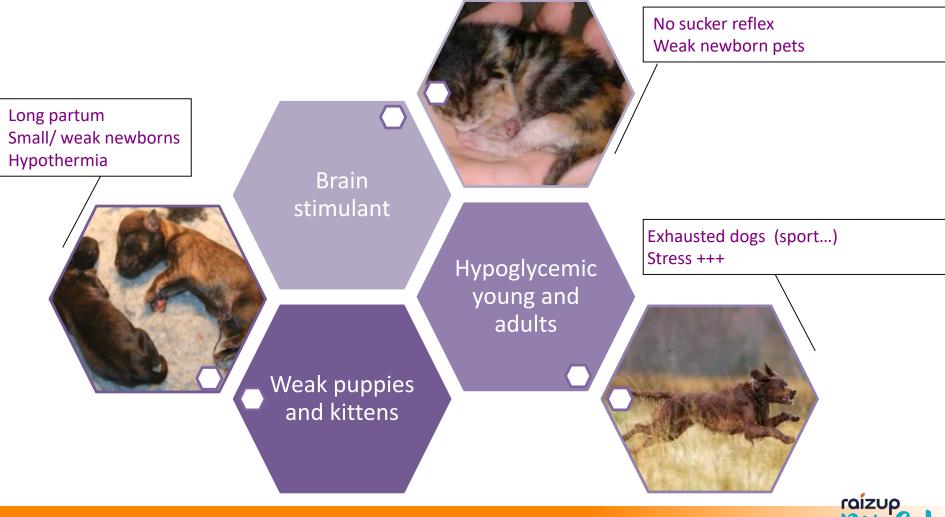


- A deficit of colostrum intake make puppy/ kitten susceptible to
 - 🔀 Hypothermia
 - ✗ Infection



PuppyBoost uses





How does PuppyBoost work? Stimulant

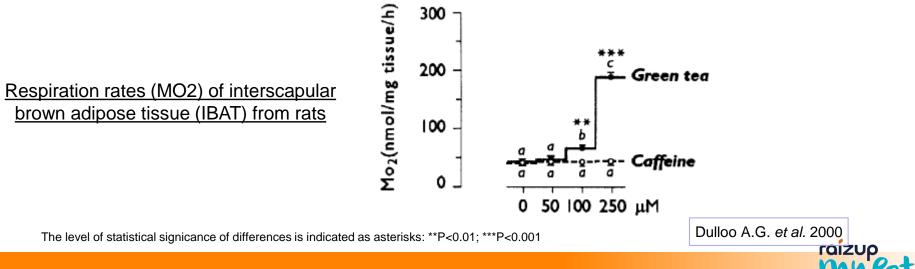


Brings tonicity and vitality:

High alkaloids contents

- Caffeine and theophylline
- In tea extract
- Higher thermogenesis





How does PuppyBoost work? Stimulant

- Brings tonicity and vitality:
 - 🔀 Adaptogen
 - Siberian ginseng helps the newborn pet to adapt to its new environment
 - Vitamins B1 and B5
 - Stimulates suckle reflexQuicker colostrum intake



Vitamine I





How does PuppyBoost work? Energy

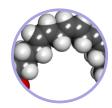


• Brings easy to use energy





MCFA: medium chain fatty acids



>Immediate uptake of energy (no lipid enzyme required)

- Ready to use energy
- > 2 metabolic pathways (carbohydrates and lipids)



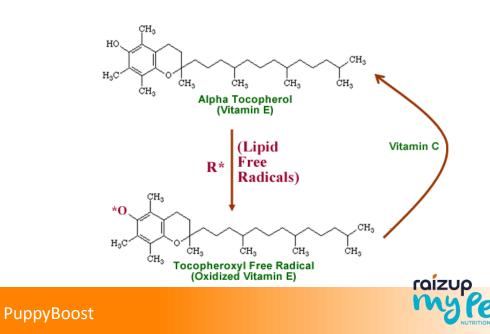
How does PuppyBoost work? Stimulant



• Protection against oxidative stress

Cell membranes protection against free radicals

- Vitamin C : vitamin E « recycling »
- ➢ Nerve cell protection

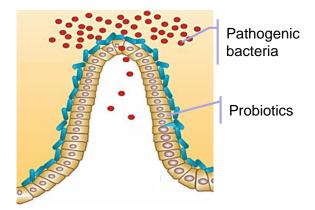


How does PuppyBoost work? Gut protection



- Gut protection
 - ➤ Probiotics
 - Enterococcus faecium
 - Barrier effect
 - ✗ Prebiotics:
 - Yeast walls
 - Prebiotics like: MCFA
 - Colostrum and milk are better used
 Less digestive disorders





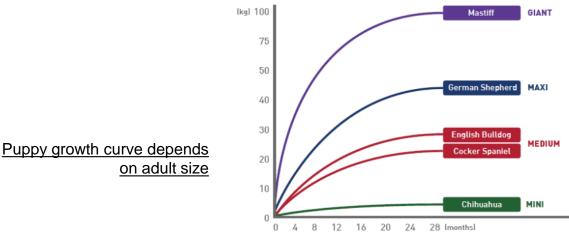
Probiotics barrier effect



How does PuppyBoost work? Growth booster

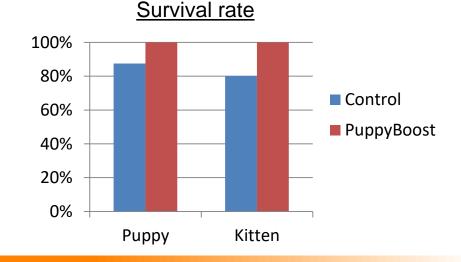


- Enhances a good start
 - Brings easy to use aminoacids
 - Protein synthesis
 - Metabolism stimulation (catabolism and anabolism)
 - Vitamins A, B1, B2, B3, B5, B6, C, biotin and D3



How does PuppyBoost work? Trial

- 16 newborn puppies and 10 newborn kittens
- Check of the general condition at the third day of life
 - Control group:
 - One dead in each group (1 kitten, 1 puppy)
 - For the others: exhaustion, immobility, passivity, lack of appetite
 - Liquid stool.
 - ➤ Trial group:
 - Increased body weight
 - Increased activity and mobility
 - Normal stool: solid yellowish feces.



How does PuppyBoost work? Easy to use

- Easy to administer
 - 🔀 Adjustable syringe
 - K Gel => no leakage



➤ Good palatability : lacto-vanilla and coconut flavor





PuppyBoost packaging



Precise dosage with rotatable ring on piston









Direction for use



K Newborn puppy/ kitten

- 1ml as soon as possible at birth
- 1ml half a day later
- 1ml the second day if necessary
- Hypoglycemia in young and adults
 - toys and small dogs (adult bodyweight < 10kg): 2ml
 - medium dogs (adult BW between 11 and 25 kg): 5ml
 - tall dogs (adult BW between 26-44 kg): 8ml
 - giant dogs (adult BW> 45kg): 12 ml



Take home message PuppyBoost

• Energy booster for weak pets

- A ready to use syringe for a good start
 - Tonicity and vitality to start suckling
 - Easy to use energy for heat and strength
 - 🔀 Symbiotic to enhance microflora
 - Prebiotics + probiotics
 - ✗ Growth preparation





PuppyBoost



Very weak puppy at birth



PuppyBoost

So efficient that you can see a visual effect on animals only few hours after use!!

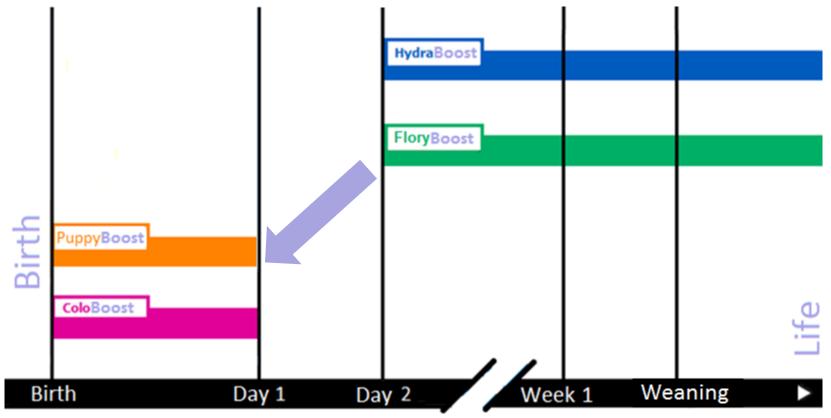
Fast recovery



Good survival



Puppy program





Puppy program Puppy/ kitten stimulation at birth



- ColoBoost pet
 - 🔀 Immunity booster
 - 🔀 When ?
 - Bad quality of colostrum
 - Not enough colostrum
 - Early lactation (colostrum is turning to milk before birth : colostrum is poorer)

- PuppyBoost
 - 🔀 Energy booster
 - ➤ When ?
 - Good quality of colostrum
 - Weak puppies and kittens
 - Cold or wet environment
 - Poor maternal instinct





PuppyBoost

Thanks for your attention !



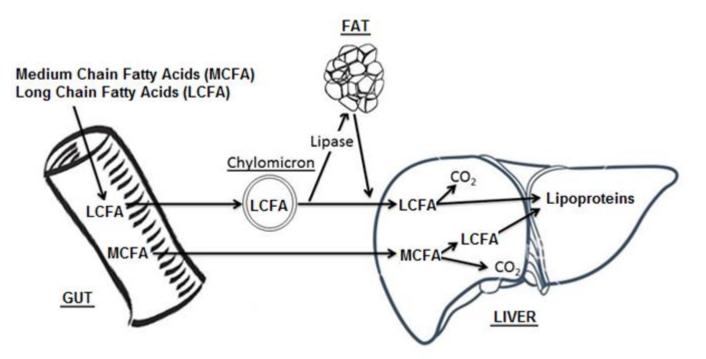




To learn more ... Absorption of fatty acids



• No need of lipid enzymes to use MCFA

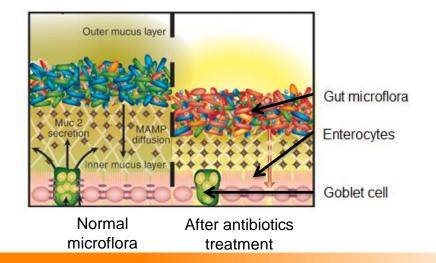




To learn more ... Gut microflora



- 🔀 Also called microbiota
- Includes billions of bacteria (100 000 billions)
 - = 10 to 100 times more than the number of cells of the whole body
- Includes hundreds of bacteria species
- Specific and stable composition unless in case of
 - Infection
 - Stress
 - Drug therapy (antibiotics)
 - Feed transition



To learn more ... Probiotics



- 🔀 Live bacteria
- ➤ That have a positive effect on gut microflora, enhancing growth of positive species

> Help to maintain microflora equilibrium

Reduce gut microflora sensitivity to biotic and abiotic stresses

✗ How does it work ?

- Modulate immune system (act like a vaccine: non pathogenic bacteria that mimic pathogenic bacteria)
- Reinforce intestinal mucus layer by stimulating mucus production
- Produce antibiotic products (bacteriocins against bacteria and propionine against virus)
- Anticancer activity by mutagenic substances destruction
- Digestion of fibers that can't be digested by the animal



To learn more ... PFC and KFC



• Puppy /Kitten Fading Complex

➤ In fading puppy syndrome (FPS), a newborn pup born apparently healthy fails to thrive despite all possible nursing care and therapy. (Ranjan A, 2010)

Etiology is diverse:

- Environment:
 - Low temperature that leads to hypothermia
 - Maternal factors:
 - » Overweight of the bitch that leads to accidental crush of puppies
 - » Maternal neglect, especially for young bitches
 - Care:
 - » No removal of placenta (pneumonia due to inspiration of placental fluid)
 - » No cleaning and disinfection of navel cord (risk of infection)
- Genetic factors:
 - Physical defects (breed, inbreed...)
 - Birth weight
- Infectious agents:
 - Bacteria
 - Virus
 - Parasites



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