

FloryBoost Pet



Gut conditioner
For dogs and cats



Junior – Dog and cat

raizup
myPet
NUTRITION CARE

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- FloryBoost target
- FloryBoost uses
- How does FloryBoost work?
- FloryBoost packaging
- Direction for use
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FloryBoost target



- Gut conditioner for cats and dogs
 - Helps to prevent diarrhea
 - Supplements medical therapy in case of diarrhea
 - For dogs and cats of all ages



FloryBoost Pet

FloryBoost uses



Sudden feed transition



Medical therapy supplement in case of diarrhea



Gut protection in case of high infection pressure

Young pets that belongs to a sick litter
Pets in contact with sick pet

Feed borne diarrhea prevention



FloryBoost Pet

How does FloryBoost work?



- Gut protection

- Wound dressing effect
- Toxins adsorption
- Alleviates pain



- Helps to maintain electrolytes balance:

- Electrolytes
- Osmolytes



- Supports gut microflora

- Brings energy
- Brings prebiotics and probiotics



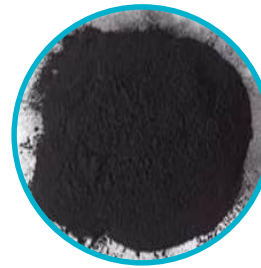
How does FloryBoost work?



- Gut protection:



Montmorillonite clay
(Bentonite)



Natural charcoal

- **Toxins and pathogens adsorption**
- **Wound dressing effect**

How does FloryBoost work?



- Gut protection: toxins adsorption

- bentonite

- = Montmorillonite clay

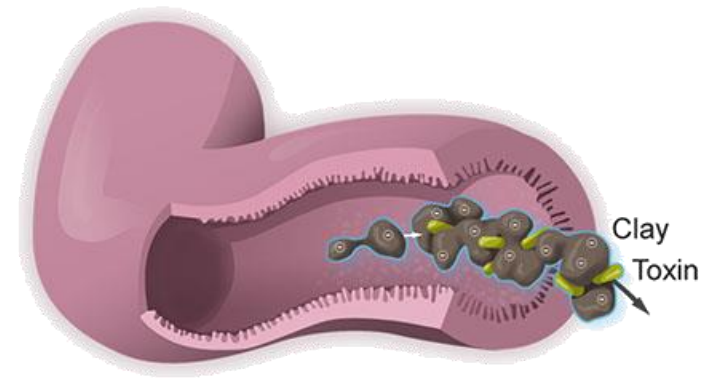
- Very high adsorption capacity
 - » 15 x more than Kaolin

- Vegetable charcoal

- Very high capacity of adsorption

- » 1g \Rightarrow 400 to 2 500 m² of surface area adsorption

- » Decrease risk of enterotoxaemia



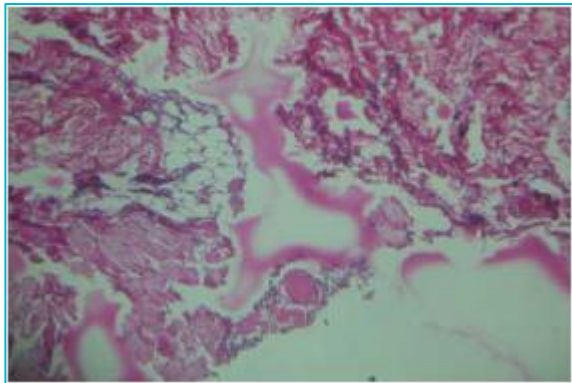
How does FloryBoost work?



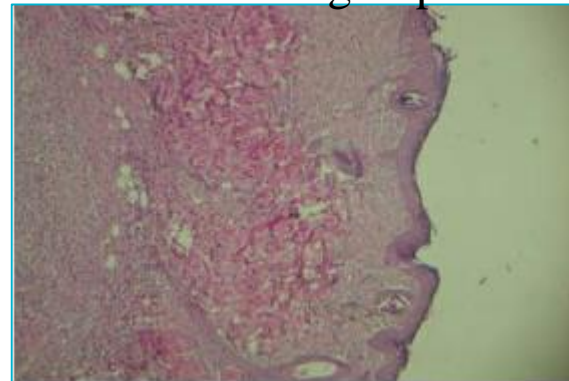
- Gut protection: bentonite
 - = Clay Montmorillonite
 - Cover the gut wall (protective layer)

Microscopic observations of skin wounds
Higher speed of reepithelialization in the bentonite group.

Control group



Bentonite group



Emami-Razavi, 2006

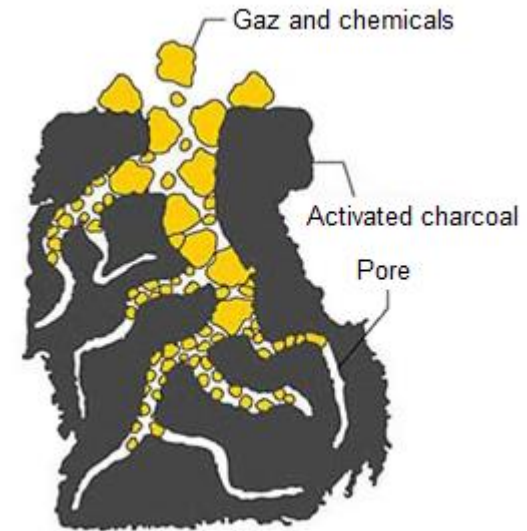
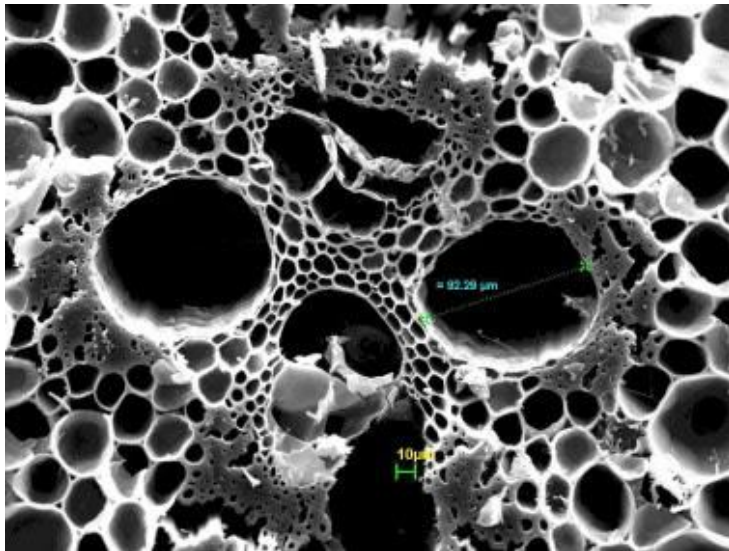


How does FloryBoost work?



- Gut protection: wood charcoal
 - Super adsorbant*

Charcoal structure



* Adsorption

Absorption



FloryBoost Pet



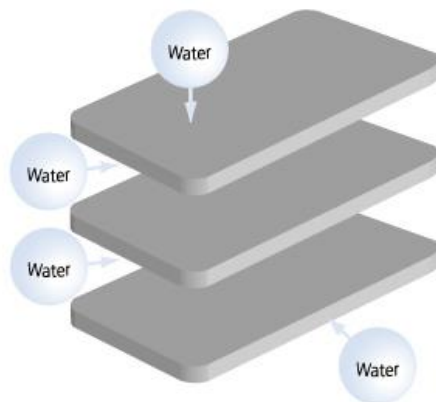
How does FloryBoost work?



- Intestinal transit control
 - Water absorption
 - Mucilage (carob)
 - Substance that absorbs water and make a gel
 - Bentonite



Mucilage



Bentonite inflation
with water



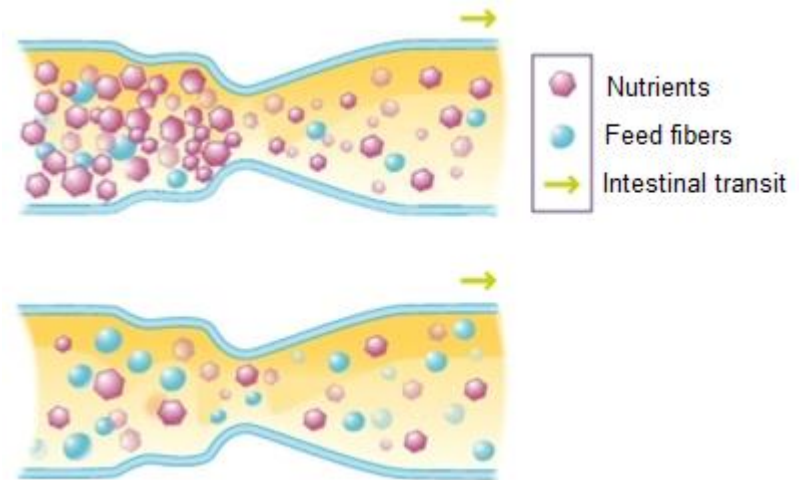
How does FloryBoost work?



- Intestinal transit control
 - Fibers:
 - Non digestible part of vegetable



Carob



How does FloryBoost work?

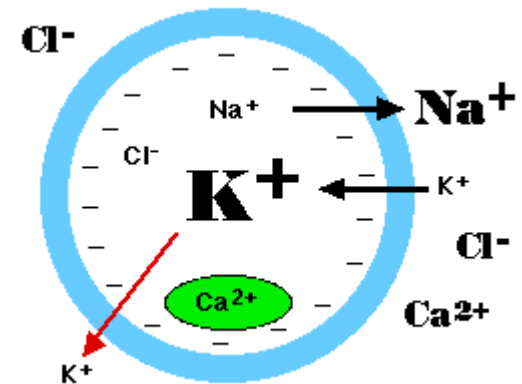


- Intestinal transit control

- Electrolytes:

- Soluble salts that turn into ions in water
- Relative abundance of ions in each body compartment (intracellular / extracellular) allow cell function (information and nutrients exchanges)

- NaCl: sodium chloride
- MgCl: magnesium chloride
- KCl: potassium chloride



Ion concentration in body

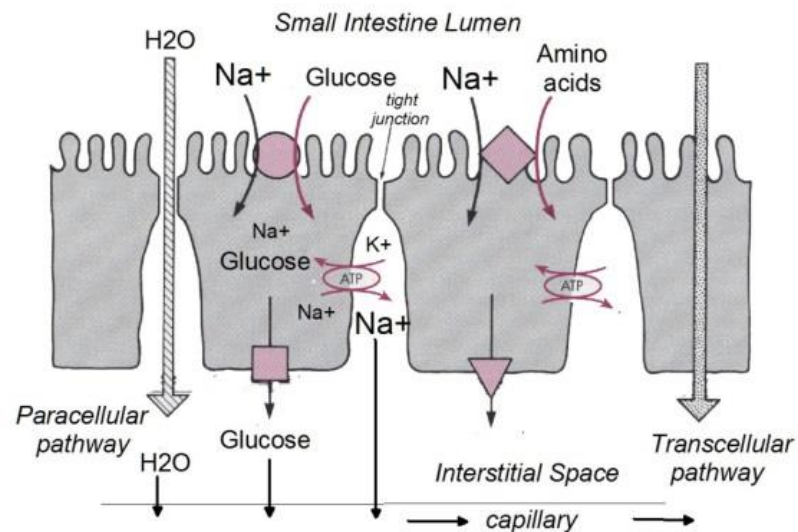


How does FloryBoost work?



- Intestinal transit control
 - Osmolytes:
 - Organic molecules
 - Helps to normalize water exchanges
 - Low energetic cost
 - Glucose

Supply of osmolytes makes water and electrolytes absorption through enterocytes easier



How does FloryBoost work?



- Intestinal microflora restoration

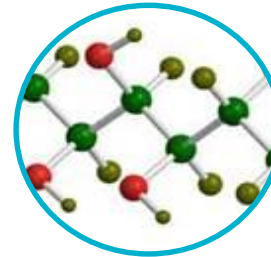
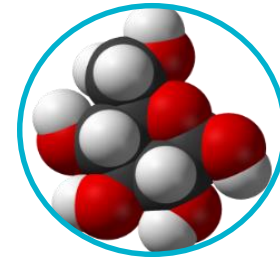
- Energy

- » Carbohydrate pathway

- Dextrose

- Carob flour

- Glucose and sucrose



How does FloryBoost work?



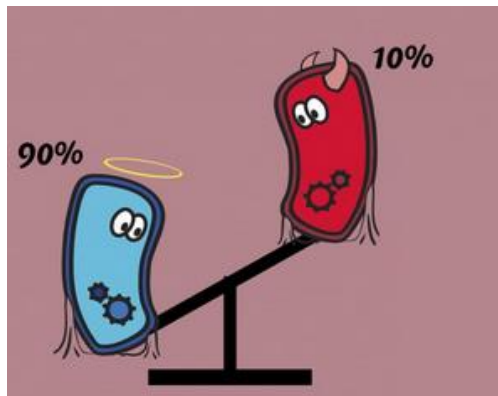
• Intestinal microflora restoration

• Prebiotics

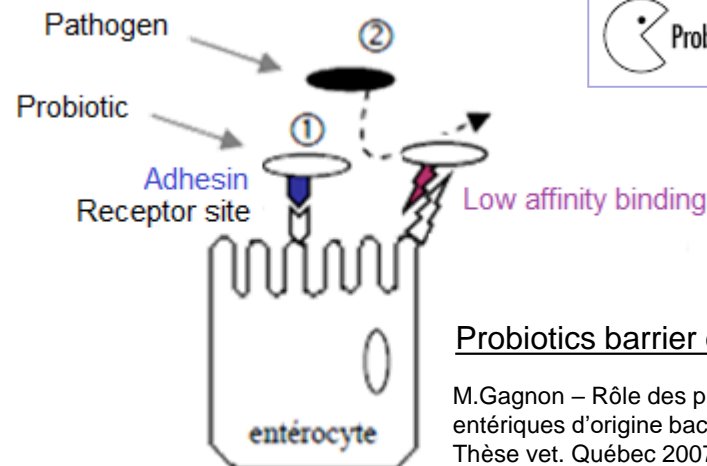
- Short chain FOS (fructo-oligosaccharides)
 - Selective stimulation of colon bacteria (growth and activity)
- Fibers
 - Carob flour

• Probiotics:

- *Enterococcus faecium*

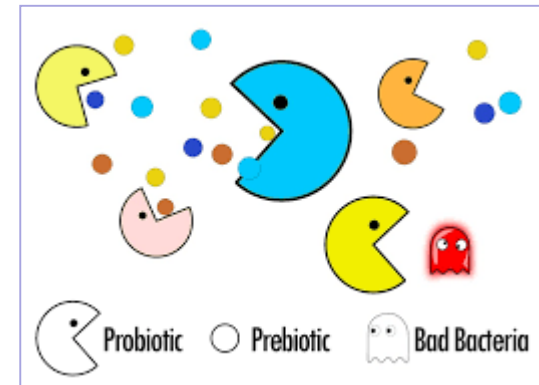


<http://www.plusvet.eu/>



Probiotics barrier effect

M.Gagnon – Rôle des probiotiques lors d'infections entériques d'origine bactérienne et virales
Thèse vet. Québec 2007



FloryBoost packaging



- Adjustable 15 ml syringe
 - Ready to use product
 - Gel (no leakage)
 - Easy to dose (adjustment ring on plunger)
 - Highly palatable (roasted meat aroma)



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Direction for use



- **Timing:**
 - Per day:
 - 1 dose as soon as possible
 - Renew within the day
 - Administer orally for 3 days or according to your specialist advice
- **Dose:**
 - Cats and toy and small dogs (<10 kg BW): 2ml per dose (4 ml per day)
 - Medium dogs (11-25kg BW): 4ml per dose (8 ml per day)
 - Tall dogs (26-40 kg BW): 6ml per dose (12 ml per day)
 - Giant dogs (>40kg BW): 8ml per dose (16 ml per day)

Puppy

Dog

Kitten

Cat

Take home message



- Gut conditioner for cats and dogs
- A ready to use syringe
 - Helps to prevent diarrhea
 - Supplements medical therapy in case of diarrhea
 - For dogs and cats of all ages



Puppy program



About diarrhea

- FloryBoost Pet

- Gut conditioner
- When ?
 - Moderate to high risk of diarrhea
 - In addition to medical treatment



- HydraBoost Pet

- Rehydrating
- When ?
 - During diarrhea episode
 - To prevent dehydration
 - To recover from dehydration



FloryBoost Pet

FloryBoost Pet



Thank you for your attention !



Junior – Dog and cat

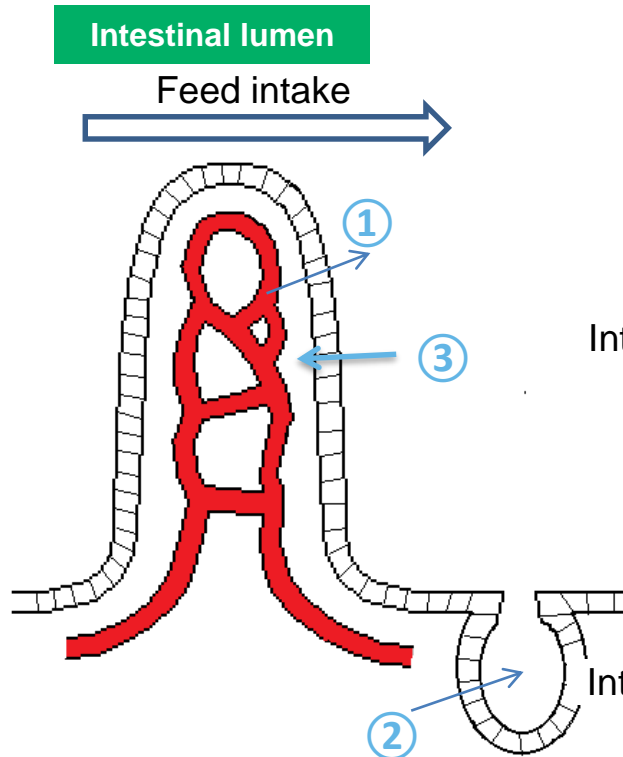
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To know more ...

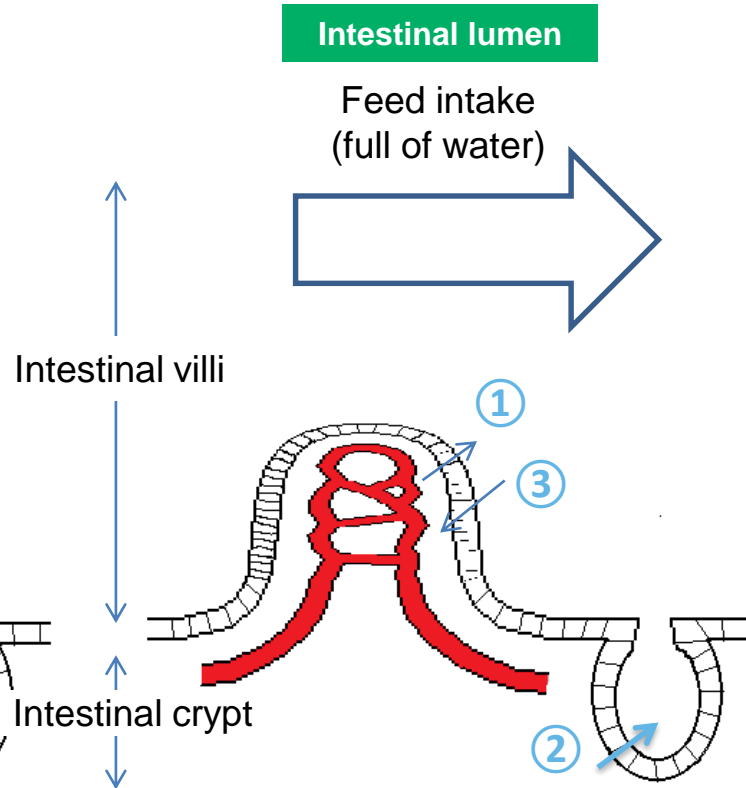


Diarrhea physiopathology

Healthy gut



Diarrheic gut



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To know more ...



Diarrhea physiopathology

1. In healthy gut:

- Normal feed intake moving
- Water movement toward intestinal lumen :
 - Through villi intercellular channel thanks to osmotic gradient (osmotic pressure stronger in lumen than in blood)
 - Through crypt cells : chloride secretion (pump), drawing sodium (electric gradient) and then water (osmotic gradient)
- Water movement from intestinal lumen :
 - Amino-acids and carbohydrates are absorbed, drawing water (through villi cells)



To know more ...



Diarrhea physiopathology

2. In diarrheic gut :

- Faster feed intake moving
- Villi abrasion (thanks to pathogens and fast water movement)
- Water movement toward intestinal lumen increased :
 - Quite unchanged: through villi intercellular channel thanks to osmotic gradient
 - Increased: Through crypt cells : chloride secretion is increased thanks to toxin action (*E.Coli* ...), drawing sodium (electric gradient) and then water (osmotic gradient) => water oversecretion
- Water movement from intestinal lumen decreased :
 - Absorption area decreased => less water absorption