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### Three-layered seamless capsules to encapsulate live probiotics

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Fuji Capsule uses seamless encapsulation technology to encapsulate live *Bifidobacterium*. The basic manufacturing principle of seamless-type capsules is to cut a flow of double-layered liquid (outer: film liquid, inner: content liquid) at certain intervals. This results in the film liquid encasing the content liquid and formation of spherical capsules. The "Three-Layered Seamless Live Bacteria Capsule" is a new technology that combines lactic acid bacteria, bifidobacteria and other bacteria. Its characteristic is the fact that it has added a three-layer structure to the base of the Enteric Soft Capsule technology. For products that contain bifidobacteria, the core layer containing *bifidobacteria* (live bacteria) is wrapped by an intermediate layer and enteric membrane layer, resulting in a design that allows the live bacteria to be delivered to the intestines. Further, active components are protected from moisture, heat and light through the three-layer structure. Additionally, it also has the characteristics of (1) protecting unstable components, (2) trapping powder components inside the capsule, (3) enabling water-soluble components to be included and (4) regulating dispersal.

### Biography

Raymond Christinson has been working as International Business Development Manager for Fuji Capsule for the past 8 years.

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