



DEVELOPMENT SERVICES



Contact Phyton's PCF[®] Development Team:
+49 4102 4906-26, DevelopmentSolutions@phytonbiotech.com

Phyton Biotech

Headquarters: 3909 Hulen Street, Fort Worth, Texas 76107, USA

Canada: 1503 Cliveden Avenue, Delta, BC V3M 6P7

Germany: Alter Postweg 1, 22926 Ahrensburg

www.phytonbiotech.com

Supply Solutions via Plant Cell Fermentation (PCF[®]) TechnologySM

Harness plant cell fermentation (PCF®) technology for development and commercialization of your high-value, plant-derived compounds!

Phyton Biotech

- Experienced - 25 years in product/process development and commercial manufacturing
- Capable - world's largest Plant Cell Fermentation (PCF®) facility (200,000 liters)
- Innovative - scientific and technical expertise valued by customers and partners
- Knowledgeable - APIs and high-value compounds via its superior PCF® technology
- Competitive - attractive commercial production at industrial scale

PCF® - Plant Cell Culture Technology applied at Industrial Scale

- Sourcing/Selection - use the best natural cell factories from the whole plant
- Cell line development - one viable cell as starting material serves for tons of product
- Green Chemistry - PCF® is a sustainable, environmentally friendly technology
- R&D, pilot and commercial scale - eliminates supply constraints for high-value compounds from rare or endangered plant species
- QbD - design quality and safety into products and processes
- Broad application - pharmaceuticals, food ingredients, nutraceuticals, cosmetics

Phyton Biotech offers

- Biological resources - a proprietary library of cryopreserved plant cell cultures
- Scientific resources - qualified and experienced scientific professionals – cell culture, fermentation, isolation, purification and semi-synthetic chemistry
- Technical resources - analytical chemistry, quality control, regulatory and QA
- Commercial and business resources - scaled production, commercial feasibility, market awareness, industry access
- Contract services and partnering - commitment to your business success

Quality • Reliability • Sustainability • Capacity

Biological and Technical Feasibility



Process Development and Scale-Up



Upstream/ Downstream Production



Unique capabilities to address the entire development chain including sourcing/selection of plant material, cell line/fermentation/DSP development, semi-synthesis and scale-up to commercial production!