Pharmaceutical & Dietary Supplement Testing and Development Services

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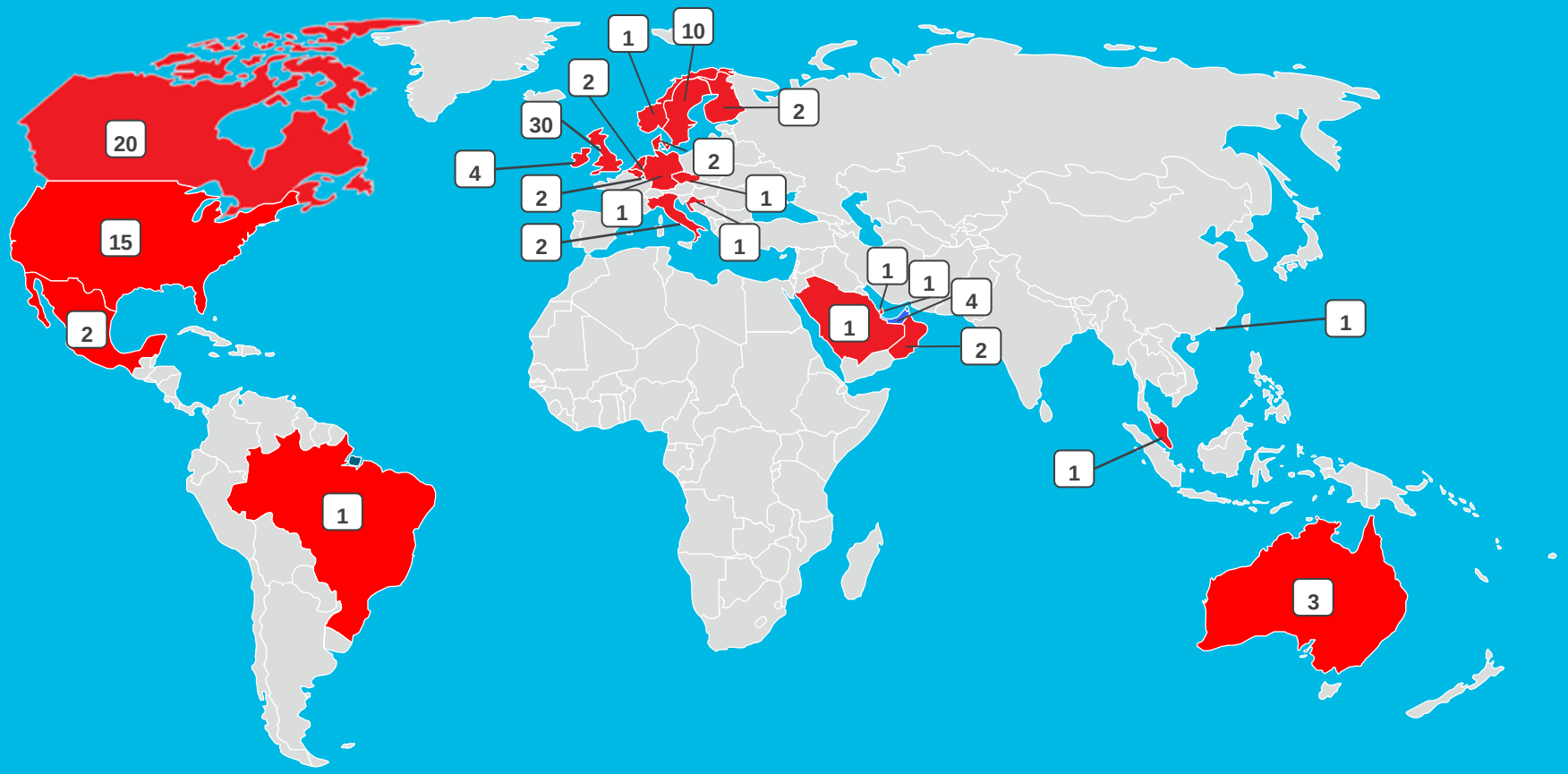
Santa Fe Springs Laboratory

Exova Laboratory Locations



Health Sciences Presentation
October 11, 2011

Technology Areas

Over 4,000 Employees Serving a Wide Range of Industries

Health Sciences and Analytical
(Pharmaceuticals, Nutritional Supplements, Food, Medical Devices, Environmental Analysis)

Materials Technology
(Metallurgy, High Temperature Coatings, Rail, Mechanical, Oil and Gas)

Engineering and Technology
(Engine Development, Vehicle Dynamics, Polymers, Textiles, Fire Testing)

Our Health Sciences Team

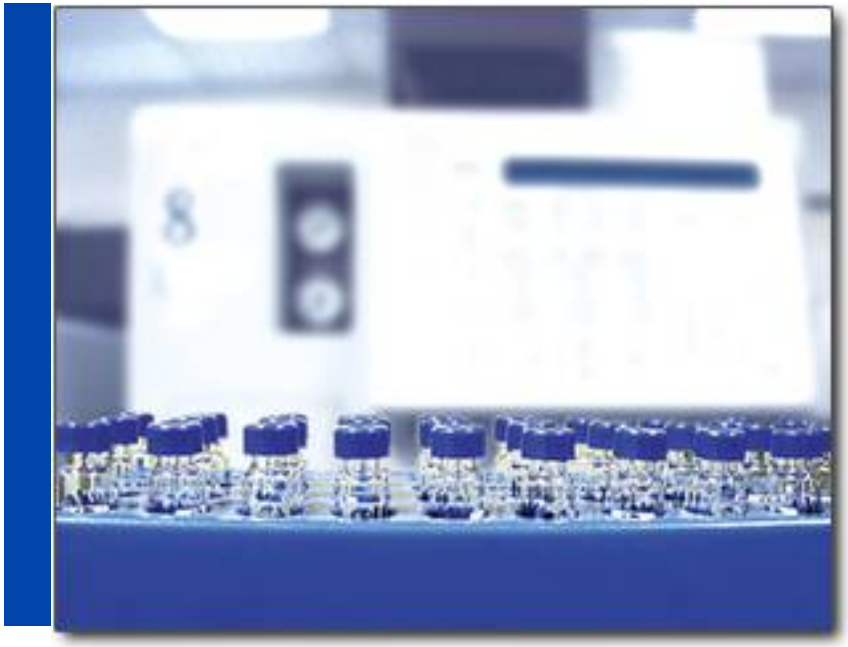
- A multidisciplinary team of 200 scientists and chemists providing GMP compliant contract testing and development services to the pharmaceutical, nutritional supplement, food, and medical device industry worldwide.

Laboratories located in:

- Santa Fe Springs (CA)
- Mississauga, Ontario (Canada)
- Portland (OR)
- Camberly (London)
- Edinburgh

Pharmaceutical, Nutritional Supplements, and Food Services

- Our services include analytical testing, analytical research and development, problem solving, formulation services, microbiological, manufacturing of pre-clinical materials, stability studies and microbiological analysis.

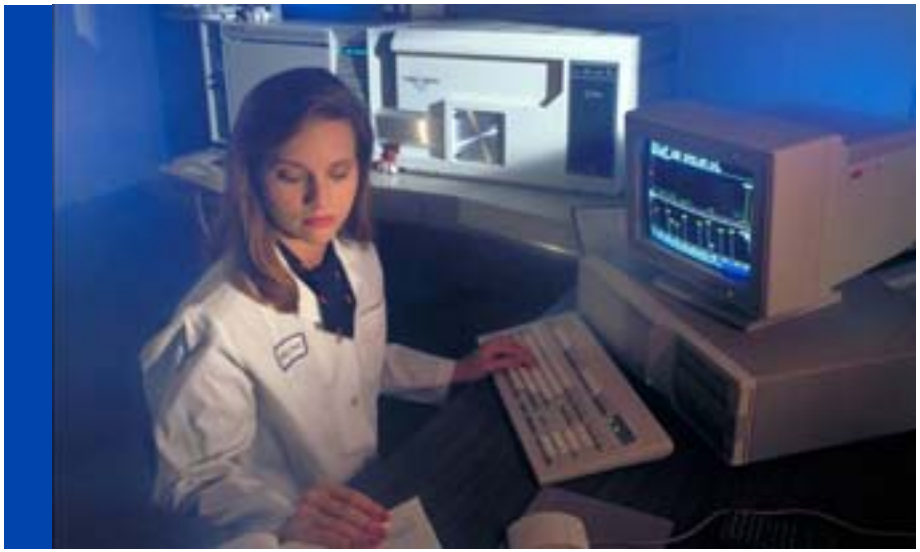


Regulatory Compliance

- United States FDA inspected and registered
- Health Canada licensed and inspected
- Food lab is accredited by USDA and recognized by Japanese Ministry of Health and Welfare
- UK labs MHRA inspected and validated, Qualified Person services available

Method Development and Validation

- Development of new analytical techniques
- Improvement of existing procedures
- Preparation of SOP's / method transfer services
- Analytical reference standard preparation
- Cleaning validation
- Full validation protocols



Exova Testing Examples for Dietary Supplements

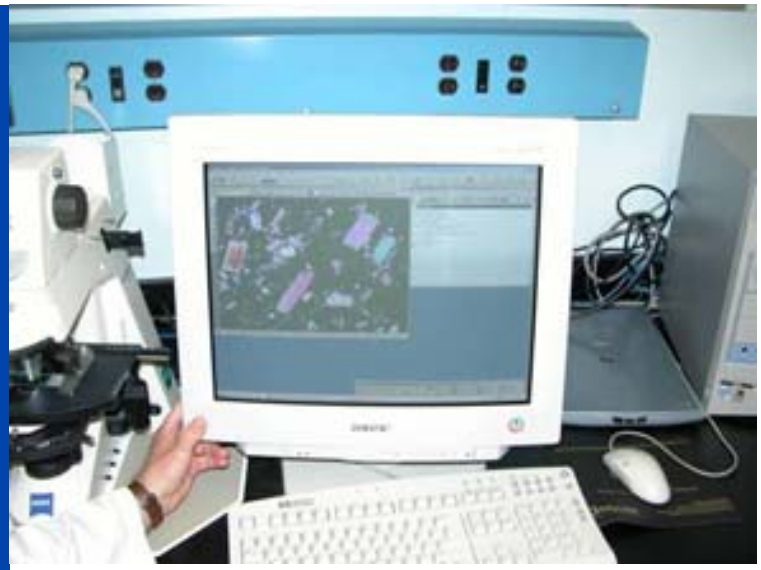
- Compendial Testing by USP, EP, JP, FCC, (and Client Methods)
- Vitamins
- Identity Testing by HPLC, TLC
- Trace Metals Analysis by ICPMS
- Heavy Metals Validations by USP <233>
- Arsenic Speciation: Fish Oils, Seaweed, Etc
- Structural Elucidation by NMR
- Prop 65 Testing
- Development and validation of headspace GCMS methods for residual solvents

Exova Testing Examples for Dietary Supplements

- Pre-formulation and Formulation
- EPA testing air, water, soil
- Pesticides
- Arsenic speciation in fish oils, seaweed, and other matrices.
- Stability Studies
- Package and Container testing

Physical Characterization

- Powder XRD
- X-ray fluorescence
- Laser particle size analysis
- Microscopy and image analysis
- Spectroscopic and thermal analysis (Raman FTIR, DSC, TGA, NMR)
- Surface area by BET gas adsorption
- Corrosion and failure investigations

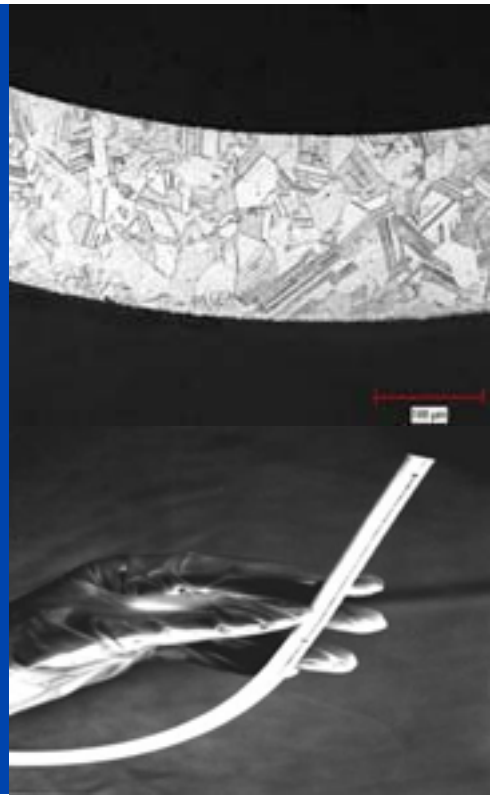


Technical Consulting Services

- Product and process assessments
- Evaluation of raw materials and finished products
- New product development
- Technology evaluation
- Information gathering and focusing
- Impurity / contaminant identification services

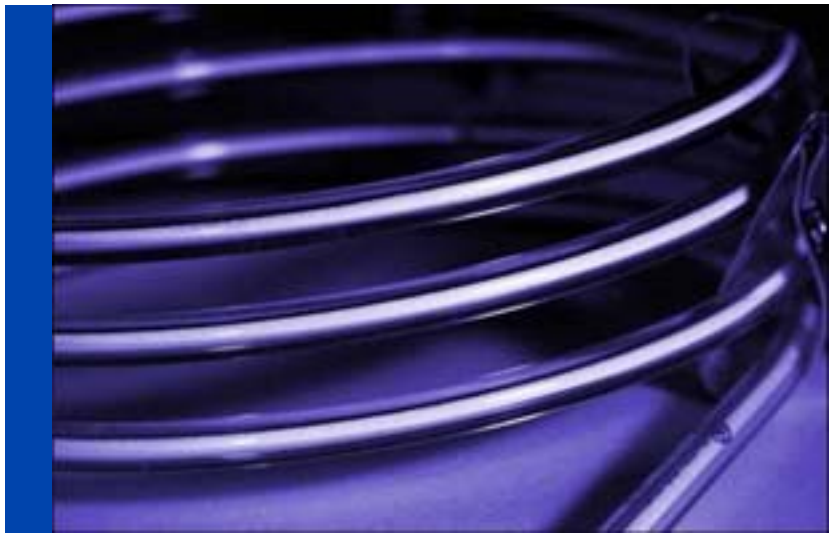
Medical Device History

- Internationally recognized capabilities in porous implantable materials
- Medical device design, development and prototyping
- Highly specialized in combination product development
- Experience in the manufacture of materials for first in human trials

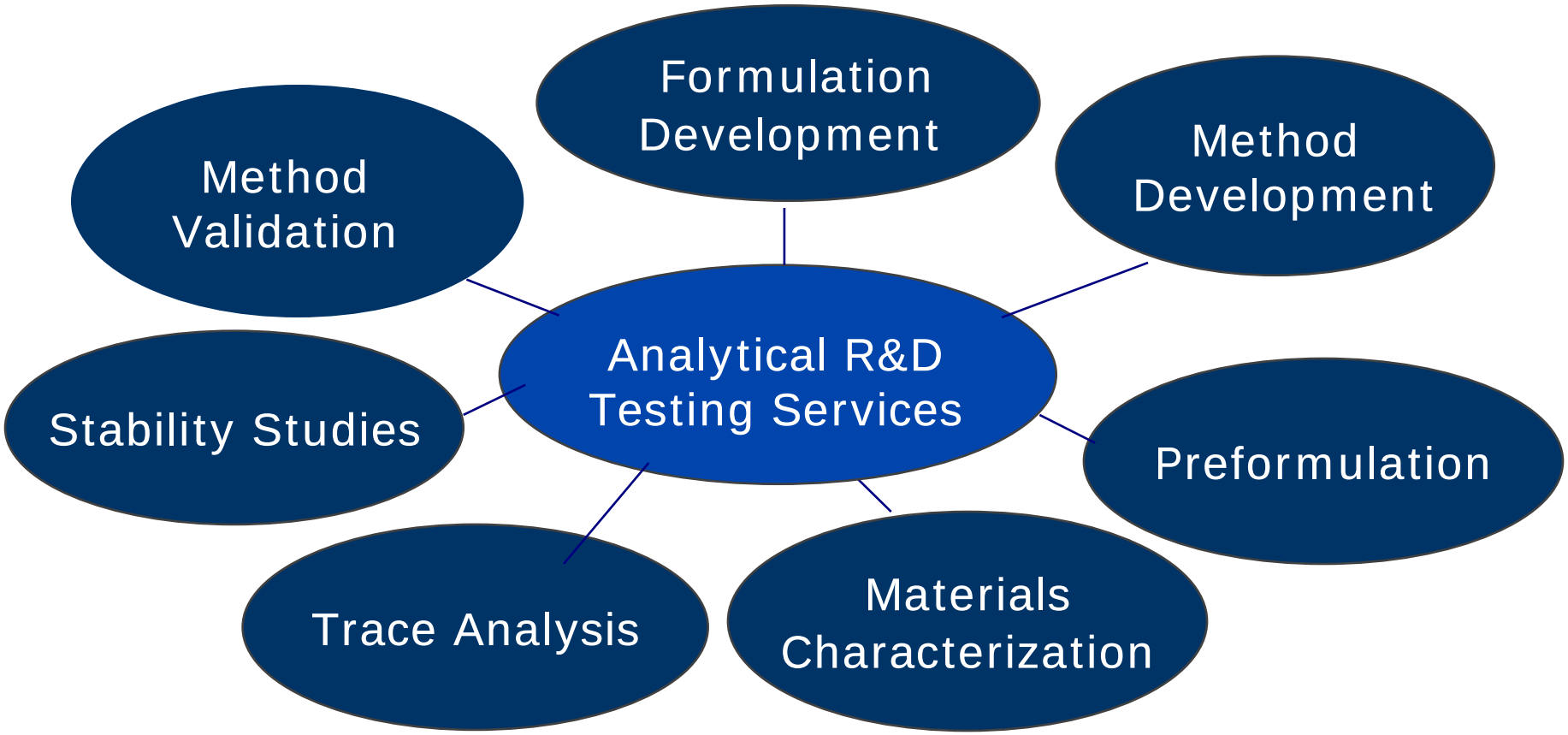


Customer Service

- Key accounts and projects are assigned project managers.
- Exova proposals and quotations clearly state timelines and deliverables.
- All testing services are supported by LIMS.
- Typical data reporting turnaround in ten days, rush services available in all laboratories.



Integrated Solutions Create Value



Summary

- Experienced staff and well equipped laboratories.
- Expertise in implementing development projects.
- Quick and timely delivery to shorten development cycles.
- Systems to ensure quality compliance.
- Flexibility to meet your requirements.
- Blanket confidentiality.
- You own the intellectual property.

Thank You…

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