DERMAL AND TRANSDERMAL **RESEARCH SERVICES**

THE FIELD OF DERMAL AND TRANSDERMAL RESEARCH REPRESENTS AN EXCITING AREA FOR NEW PRODUCT and formulation applications. QPS has global Preclinical and Clinical facilities with the experts and experience to handle your Dermal and Transdermal research projects.

QPS
CUSTOM-BUILT RESEARCH™

DERMAL IRRITATION AND CONTACT SENSITIZATION

Dermal Toxicity, Irritation and Contact Sensitization

Studies to evaluate local and systemic toxicity via dermal dosing, skin irritation and contact sensitizing of your test material across multiple species are routinely conducted by QPS to determine the potential to provoke toxicity via dermal application, ocular irritation, dermal irritation, or sensitization.

CAPABILITIES INCLUDE: Irritation/Skin Sensitization Test (ISO 10993-10) in rodents, rabbits and swine.

Wound Healing

In vivo animal models are the most efficient and clinically relevant approach for studying wound healing. Our veterinarians are capable of performing surgeries for testing of wound healing, with post-operation monitoring of clinical observations, body weight, and food consumption. Wounds are regularly measured for assessment of the extent of healing. At the completion of the in-life experimentation, our board-certified pathologist (DACVP) performs histopathology examination of the wound tissues. All studies are reviewed by IACUC in compliance of animal welfare requirements.

CAPABILITIES INCLUDE: *In vivo* wound healing test on rodents, rabbits and mini pigs.

ESTABLISHED LEADER IN DERMAL AND TRANSDERMAL RESEARCH SERVICES

QPS offers Dermal and Transdermal Research Services for the development of a wide array of topical formulations including semi-solids (foams, lotions, gels, emollients, creams, and ointments); transdermal delivery systems (patches and semi-solids); cutaneous and intradermal injections; wound dressings; and innovative delivery systems (micro-needles or iontophoresis).

Preclinical Study Capabilities

- Dermal toxicity/Local tolerance studies
- Skin irritation/sensitization
- Wound healing

Regulatory Capabilities

- Study conduct according to GLP, FDA, EPA, OECD, COLIPA, or ICH guidelines

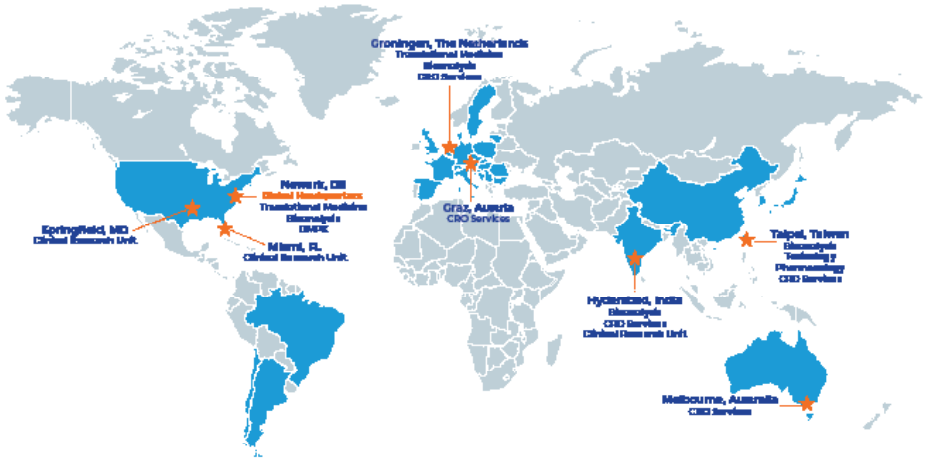
Clinical Bioavailability and Bioequivalence

- Systemic delivery (FIM, SAD, MAD)
- Systemic safety and risk assessment
- Chronic exposure
- Topical and transdermal BA/BE
- Dermal safety studies (irritation and sensitization)
- Adhesion for patch systems
- Clinical endpoint BE for topical products
- Vasoconstriction for topical corticosteroids

QPS IS A GLOBAL CRO WITH LOCATIONS AROUND THE WORLD

BENEFIT FROM THE RESOURCES OF A GLOBAL CRO

Whether your focus is small molecules, protein biotherapeutics, vaccines, gene therapy or cell therapy, QPS provides a full range of bioanalytical services to support drug development needs from discovery, through clinical development and regulatory filing.



NETWORK LOCATIONS USA / Austria / Australia / Argentina / Belgium / Canada / Brazil / Bulgaria / Chile / China / Croatia / Czech Republic / Denmark / France / Germany / Hungary / India / Italy / Lithuania / Netherlands / Poland / Romania / Serbia / Slovakia / South Korea / Spain / Sweden / Taiwan / United Kingdom

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TIME IS OF THE ESSENCE IN DRUG DEVELOPMENT. CONTACT THE QPS BUSINESS DEVELOPMENT TEAM TODAY!

Call +1 512 350 2827 Email infobd@qps.com