RESEARCH AND DEVELOPMENT

D2M Santé ensures the complete analytical and pharmaceutical development of any dosage forms. In particular, the company offers an in depth experience in developing semi-solid dosage forms and micellar solutions. The development of a new dosage form is always done using pilot batches which are produced under the same conditions as the industrial batch size.

OUR "DEVELOPING KNOW-HOW"

- Stable dosage forms
- Controlled release dosage form
- Generics showing well-controlled kinetics profiles
- Extraction of the active substance from a complex matrix
- Development of in house quality control monographs
- Dissolution kinetics
- Compatibility studies including the choice of migration solutions, technical development and validation
- Detection of degradation products, drug-related substances, residual solvents
- Stress testing for active substances and finished products

OUR "PROCESSING KNOW-HOW"

- Manufacture of dosage forms using a formulation reflecting both the pharmaco-technical and chemico-technical characteristics of active substances
- Identification of any critical step during the manufacturing process, well-managed in-process controls ensuring the proper scale-up to batches of industrial size
- ICH validation
- Stabilities studies for both semi-permeable and impermeable packagings

Some achievements

PHARMACEUTICAL DEVELOPMENT

- Aqueous solution containing lipophilic active substances
- Optimised dispersion of active substances in a viscous solution
- Increase in the bio-disponibility of a low concentrated active substance when incorporated in oral tablets
- Gel-emulsion with a well-controlled viscosity for a medical device acting as a hydro colloidal dressing

ANALITICAL DEVELOPMENT

- Assay of liposoluble active substances from a lipophilic matrix
- Identification and quantification of residues when performing the validation of cleaning procedures
- Quality control monograph of a medicinal product of herbal origin (choice, separation and validation of the relevant tracer)
- Compatibility studies: Hydro-alcoholic gel packaged in a aluminium tube with a epoxy-phenolic varnish

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