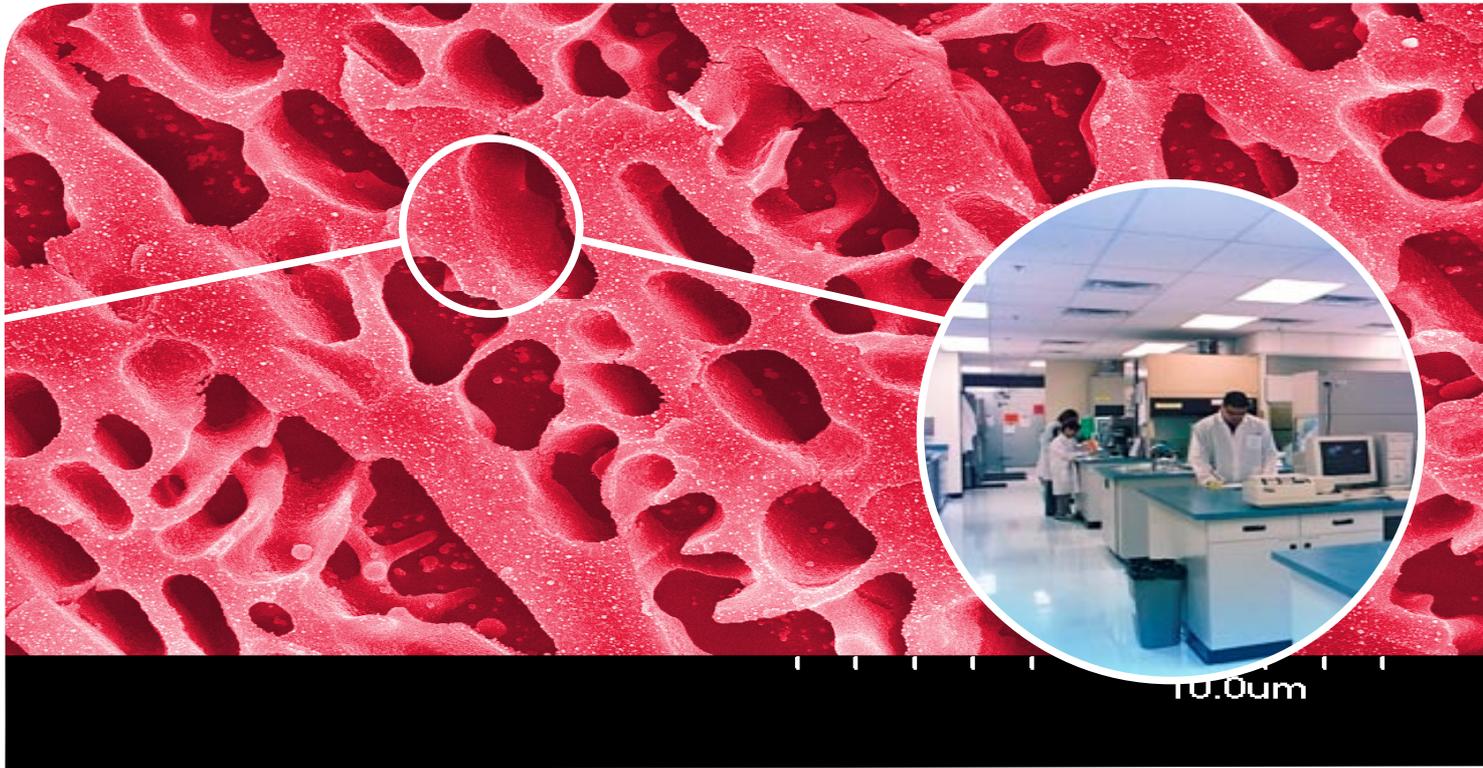


Wound Care Products

Analysis and Certification Services

Intertek

Valued Quality. Delivered.



Advanced wound care is an area of rapid expansion as the industry moves towards active wound care products and dressings with specific properties such as antimicrobial action, moistness, odour control and exudate absorption.

The development & characterisation of these products is a significant challenge due to the overlap of the areas of fabric technology, chemical analysis, microscopy and physical characterisation in addition to the clinical development.

Intertek have the expertise and technology to assist companies operating in the wound care sector at all stages in product development, approval or manufacturing. Our technical services include:

- Microscopy Analysis of the wound dressing fabric
- Chemical Analysis for antibacterial actives
- Visualisation of microbial activity using staining and fluorescence microscopy
- Troubleshooting manufacturing issues & failure analysis
- Analysis of distribution on fabric & interactions of components that manage the wound environment
- Loading / dosing studies
- Competitor product analysis
- Intellectual property Infringement investigations
- Stability studies & other regulatory analysis packages
- CE Marking and Certification services

Quality

The laboratory has been inspected by the UK Medicines and Healthcare Products Regulatory Agency (MHRA) for GLP and GMP compliance and by the US Food and Drug Administration (FDA) for cGMP compliance in relation to customer's pharmaceutical manufacturing license.



Services

- Quantification of level of components (inorganic or organic)
- Loading / dosing studies
- Competitor product analysis
- Intellectual property Infringement investigations
- Stability studies & other regulatory analysis packages
- Profiling migration of leachables from polymeric materials such coatings or adhesives
- Analysis of distribution on fabric & interactions of components that manage the wound environment

Failure Analysis for Medical Devices

- Fracture and failure analysis of medical devices and associated materials
- Surface chemistry and adhesion of product bonds
- Microstructure and mechanical property relationships

Technology

- Mass Spectrometry (ESI-MS, LC-MSMS)
- Gas chromatography (GC-MS, HS GC-MS, Pyrolysis)
- HPLC and UPLC (UV, RI, ELSD, MS)
- Ion chromatography with electrochemical detection (HPAEC-PAD)
- Spectroscopy (FTIR, Nr IR, UV-vis, Fluorescence)
- Trace metals analysis by ICP-MS, ICP-OES

Intertek Analysis for Medical Devices

- Assay development and validation for API's and impurities
- Bioanalysis
- ID of impurities and degradants (organic and inorganics)
- QC testing for raw materials and medical devices
- Residual solvents determination - volatile organic compounds (VOCs) and organic volatile impurities (OVIs)
- Physical chemical properties (pH, viscosity, melting point, loss on drying)
- Sampling and analyses of water for controlled pharmaceutical environments
- Mechanical testing

Materials Characterisation

- Collagen Analysis & Processing Residuals Analysis (e.g. detergents, antibiotics)
- Biomaterial characterisation (alginates, polysaccharides, collagen, chitosan)
- Polymer Analysis (e.g. molecular weight, residual solvents)
- Polymer / Ceramic composite analysis (e.g. trace metals analysis)

- Trace Organic and Inorganic
- Analysis Techniques Bio-safety Level II Facility
- Classical Organic and Inorganic Analysis
- Trace metals analysis by ICP-MS, ICP-OES
- Microscopy (optical microscopy, SEM (cryo and high resolution), Transmission Electron Microscopy TEM)
- UV/Vis Molar Extinction Coefficient

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Get in touch.

Your business knows no boundaries - and neither does ours. Whatever your target market, Intertek's global network of experts is ready to help you reach it. For more information email ASGenquiries@intertek.com or call **+44 (0)161 721 5247**.