

Speeding up development of a hypoallergenic haircare formulation

Asynt report how award-winning formulation and development lab – **Here2Grow Cosmetics & Homecare Labs (Selby, UK)** used the **ReactoMate DATUM** laboratory reaction vessel system in the development of a next generation **clinical haircare product**



Images: .Dr Henry Brew of Here2Grow Cosmetics & Homecare Labs, with the Asynt ReactoMate DATUM

To tackle common scalp

issues encountered by patients, a trichology clinic had been developing scalp therapy products in collaboration with formulation laboratories and manufacturers. However, with multiple active and incompatible ingredients, the formulations created were often unstable. Here2Grow was approached to tackle the issues through the creation of an effective shampoo and conditioner with hypoallergenic properties.

Dr Henry Brew, CEO of Here2Grow commented

“The formulation challenge posed by the trichology clinic required us to prepare a hair care product which involved a specific mixing, heating, and processing regime. By using the ReactoMate DATUM we were able to not only improve the formulation process and meet the specifications of the new product in a repeatable and consistent manner, but also save our company time and money.”

Asynt Ltd

Unit 29 Hall Barn Road Industrial Estate Isleham Cambridgeshire United Kingdom CB7 5RJ
T: +44 (0)1638 781709 F:+44(0)1638 781706 sales@asynt.com www.asynt.com

Registered office: Eldo House, Kempson Way, Bury St Edmunds, Suffolk, IP32 7AR Registration No: 5160407
VAT No: GB 838 5592 82

He added

“Throughout the haircare product formulation and development process we found the Asynt development team were knowledgeable, friendly, and responsive, helping us meet our deadlines. Beyond this specific project, we are using the ReactoMate Datum and laboratory reaction vessels from Asynt with a range of other apparatus to trial scale-up formulations, design formulation processes and perform fundamental research on various liquid materials and ingredients we are looking to integrate into formulated commercial products.”

Through the trialling of multiple prototypes,

a stable formulation was produced which significantly reduced dandruff, itching, and fungal activity. Here2Grow’s success at developing a hypoallergenic shampoo and conditioner has made a valuable step forward in the improvement of scalp care products.



Image ReactoMate DATUM with Julabo temperature control unit

For further information

on this formulation development project please visit www.asynt.com/asyntise-your-lab/custom-reactors/next-generation-clinical-haircare-product/ or contact Asynt on +44-1638-781709 / <mailto:enquiries@asynt.com>.

With clients

ranging from global FMCG companies, to leading boutique organisations, Here2Grow Cosmetics & Homecare Labs (www.here2grow.com) provide bespoke formulation services, ensuring that clients can get the best market positioning to optimise their product development aspirations. The company assists with innovative ideation, development and manufacturing of products and has a growing portfolio in personal care, home care, detergents and dish wash technology and green technologies.

Sturdy, yet compact,

the ReactoMate DATUM support system from Asynt is proven to enhance the stability and safety of your lab reactor and can accommodate a wide range of reaction vessels from 100 mL up to 5,000 mL. Changing a vessel supported by the ReactoMate DATUM is as simple as “Clip & Click” thanks to the novel neck clamp. Quick changeover between reactor vessel sizes enables simple reaction scale-up, whilst the ingenious mounting mechanism ensures excellent stability and

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alignment every time. The ReactoMate DATUM is fully compatible with all leading brands of overhead stirrers and circulator heating/cooling systems, making it flexible to suit your lab.

Asynt Ltd.

is a leading supplier of chemistry equipment for scientists in industry and academia. With a sales team of trained chemists, Asynt draw upon their in-depth application knowledge to provide a high-level of customer support for its oil-free DrySyn Heating Blocks, CondenSyn waterless condensers, turn-key & bespoke solutions for Controlled Lab Reactors, Flow Chemistry apparatus, Photochemistry systems, Synthesis Tools, Evaporators, Temperature Control Systems, Vacuum Pumps and Lab Safety Equipment plus more.

Worldwide HQ

Asynt Ltd

Unit 29, Hall Barn Industrial Estate
Isleham
Cambridgeshire CB7 5RJ
UK

tel: +44-1638-781709

email: enquiries@asynt.com

web: www.asynt.com

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