On the mend.

NEBNext® FFPE DNA Repair Mix from New England Biolabs®

While archiving of clinical materials as Formalin-Fixed, Paraffin-Embedded (FFPE) samples is common, it causes significant damage to the sample’s DNA. As a result, such samples can be difficult to sequence. The cocktail of enzymes in the NEBNext FFPE DNA Repair Mix repairs multiple types of damage that are common among FFPE samples, thereby improving yields and overall library success rates.

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Challenges necessitating innovation and international scientific collaboration are abundant in food and water security, sustainable development, infectious disease and health, climate change, natural disasters, and energy. Countries with varying levels of development, education, and scientific capacity may have different goals and expectations for international scientific engagement.

What elements make international collaboration successful and sustainable? What engagement opportunities are available, and what are the responsibilities of researchers, entrepreneurs, educators, and policymakers in global scientific endeavors?

Symposium Proposal Deadline: April 24

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Laboratory Information Management System
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Beckman Coulter Genomics
For info: 800-361-7780
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Antibodies
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The Three Position Stage for the VIÀFLOW 96 and VIÀFLOW 384 handheld benchtop pipettes expands available stage positions for microplates, reservoirs, and tips on a VIÀFLOW 96 or VIÀFLOW 384 from two to three thereby enhancing workflow in a wide range of applications. The Three Position Stage also features an indexing function to allow access to 384-well plates using a 96-channel pipetting head. For plate replication applications, having a tip rack in the left position, the source plate in the middle position, and the target plates in the right position of the Three Position Stage enables the user to replicate the source plate with minimal plate handling effort. Changing tips and target plates can be done without moving the source plate, eliminating the risk of spills. When undertaking compound dilutions or screening, the Three Position Stage enables accurate and rapid addition of reagent and compounds from two different sources (reservoir and plate) to one target screening plate.

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Flexi-Block Accessory
The new Flexi-block accessory can heat almost any sample from ambient temperature up to 200°C, including those stored in 0.2 mL, 0.5 mL, 2.0 mL, and 5.0 mL micro tubes and any diameter test-tube, vial, cuvette, or microplate. This flexibility means laboratories can achieve new levels of efficiency, as researchers are able to heat any sample, regardless of container or type, without having to change or recalibrate instruments. The Flexi-block’s broad range is made possible by the incorporation of 1.5 mL diameter autoclavable beads. Manufactured from high density ceramic, these exhibit high mechanical strength and are an excellent thermal transfer medium. This outstanding flexibility eliminates the traditional limitation of aluminium heating blocks— their specificity to a particular type of tube, multiwell plate, or glass vial. Flexi-block is unique, economically priced, and comes in two variations: double-width or a larger triple-width version for high throughput heating and incubating applications as well as sensitive analytical procedures.

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Flexi-Block Accessory
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