

DATASHEET

MonoMix

G-Actin Buffer with ATP
(50x stock, lyophilized)

For Use in Research Only.
Not for Use in Diagnostic Processes.

Quantity: 1.0ml
Cat. #: 5100-01

Product Description

MonoMix is used to dilute samples containing G-actin, and to preserve the essential buffer conditions required for G-actin. Sample mixtures containing F-actin are to be diluted with PolyMix (Cat no.: 5000-0*). MonoMix is frequently used for dialysis of ligands into the same buffer as essential for G-actin. For critical assays, e.g. measurements of polymerisation kinetics, the G-actin stock prepared from lyophilised G-actin is dialysed against 100vol. MonoMix O/N and subsequently spun 100.000xg for 1h.

Product Handling

Add 1ml of H₂O to the vial with MonoMix and vortex until dissolved. MonoMix can now be used as a 50x stock solutions.

To dilute MonoMix to a 1x G-actin buffer, add 1ml of solubilised MonoMix to 49ml H₂O and stir thoroughly.

Buffer Composition

50ml of MonoMix contain: 2mM Tris-Cl pH 8.2, 0.4mM ATP, 0.08mM CaCl₂ and 0.1mM DTT.

Product Storage and Stability

Store the product at -70°C upon arrival, MonoMix will be stable in performance for at least 6 months from the date of purchase. Solubilised MonoMix is kept on ice and should be used within 5 days. The product may be aliquoted and stored at -70°C. Avoid freeze/thaw cycles.

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Selection of Related Products

<u>Product</u>	<u>Quantity</u>	<u>Cat. #</u>
Actin (alpha-Actin skeletal muscle, rabbit)	4x250µg	8101-01
Actin (alpha-Actin skeletal muscle, rabbit)	1x1.0mg	8101-03
Atto488-Actin (alpha-Actin skeletal muscle, rabbit)	1x100µg	8153-01
Atto488-Actin (alpha-Actin skeletal muscle, rabbit)	5x100µg	8153-02
Pyrene-Actin 10% (alpha-Actin skeletal muscle, rabbit)	1x1.0mg	8102-01
Pyrene-Actin 100% (alpha-Actin skeletal muscle, rabbit)	1x1.0mg	8112-01
PolyMix (10x) F-actin buffer	1x1.0ml	5000-01
ME-Buffer (10x) Magnesium Exchange Buffer	2x1.0ml	5111-01
KMEI-Buffer (10x) Magnesium Exchange Buffer	2x1.0ml	5030-01

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