Mitochondria Isolation Kit for Cultured Cells ab110170

Overview

Product name: Mitochondria Isolation Kit for Cultured Cells
Assay type: Quantitative
Assay time: 1h 00m
Species reactivity: Reacts with: Other species, Mammals
Product overview: ab110170 contains sufficient reagents for up to 20 benchtop mitochondria isolations from mammalian cultured cells. Isolated mitochondria can be analyzed by Western Blotting, Immunocapture, or Activity assay.

Available with a dounce homogenizer as kit ab110171.

Mitochondrial isolation protocol summary:
- suspend cells in reagent A and incubate for 10 min
- homogenize using dounce homogenizer
- spin at 1,000 g for 10 min and retain supernatant, repeat
- spin at 12,000 g for 15 min and retain pellet
- resuspend pellet in reagent C and analyze or freeze

Properties

Storage instructions: Store at +4°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1 kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reagent A</td>
<td>1 x 50ml</td>
</tr>
<tr>
<td>Reagent B</td>
<td>1 x 50ml</td>
</tr>
<tr>
<td>Reagent C</td>
<td>1 x 10ml</td>
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</tbody>
</table>

Images
Isolated mitochondria show enriched signal when compared to the whole cell extract. In lane 1, MRC5 mitochondria isolated with Abcam's ab110170 (MS852) Mitochondria Isolation Kit for Cultured Cells were loaded at 20 µg. In lanes 2 and 3, post-spin supernatant (SN) and whole cell extract were loaded at 20 µg.

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