



YamayBio

Ice-free Bath Rapid Transfer Buffer Instant Granules

INSTRUMENT MANUAL

Research use only.
Not for diagnostic procedures.

Contents and storage

Ice-free Bath Rapid Transfer Buffer Instant Granules

MS8135

10 sticks (1.2 L×10)

Storage: Store at room temperature for 36 months. Product shipped at room temperature.

Introduction

This product is provided as white or pale yellow instant granules. Each stick pack yields 1.2 L of 1× ice bath-free rapid transfer buffer. The **wet transfer** step in Western blotting can be completed within **15 to 40 minutes**. During buffer preparation, **anhydrous ethanol** may be used as a substitute for methanol. The entire transfer process generates minimal heat and can be performed without an ice bath.

Quick Start Protocol

1. Pour approximately **1000 mL** of **distilled water** into a beaker. Slowly add one stick of instant granules for ice bath-free rapid transfer buffer, stirring continuously until the granules are fully dissolved.
2. Add **200 mL of anhydrous ethanol or methanol** to the resulting solution. Mix thoroughly to obtain 1× wet transfer ice bath-free rapid transfer buffer.

Recommended transfer conditions

Parameter	Gradient Gel		PAGE Gel				
	4%-12%	4%-20%	6%	7.5%	10%	12.5%	15%
Thickness	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm	1.0mm
Current (mA)	400	400	400	400	400	400	400
Transfer Time	25 min	30 min	15min	20 min	30 min	35 min	40 min
Notes	*For large proteins (>150 kDa), extend the transfer time by 5–10 minutes. *For 1.5 mm-thick gels, extend the transfer time by an additional 5–10 minutes.						