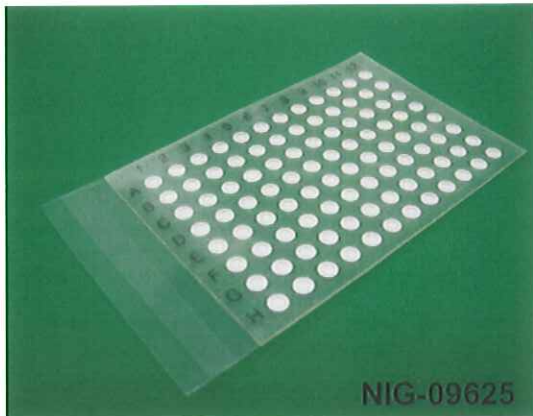


Delivery and Stock Device of Bioresources

# NIG Card



NIG-09625



NIG-02425



NIG-001100

## Characteristics

- **Variety of Bioresources Preservation**  
*E.coli*, Budding Yeast, Diving Yeast, DNA, Plasmid, etc.  
Easy culture after extraction.
- **Easy Transportation**  
Preservation at room temperature for maximum one week. Easy transportation by regular postal envelop or courier package.
- **Space Saving**  
**Super thin-Just 1mm thickness and compact size.**
- **Easy Extraction**  
Easily extractable by centrifugation.

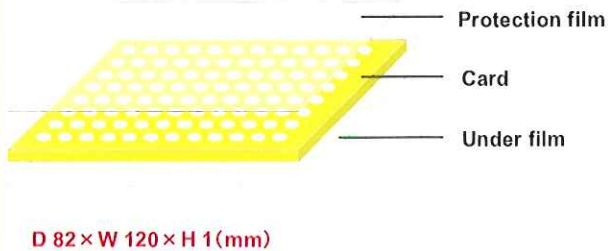
Product No.	Type	Volume	Sheets	Price(US\$)
NIG-001100	1 well	15 $\mu$ l	100	300.00
NIG-02425	24 well	40 $\mu$ l	25	562.50
NIG-09625	96 well	5 $\mu$ l	25	562.50

※ Non-pathogenic Bacteria are only available for use

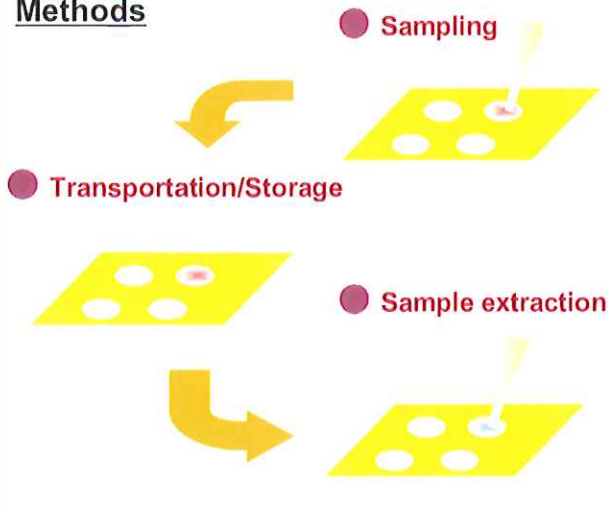


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## Outline of NIG Card ( 96 well type )



## Methods



## Methods ( 96well ) :

### Transportation/Storage :

- ① Pull out NIG Card and a preservation sheet from Aluminum Foil Bag.
  - ② Remove the protection film from NIG Card.
  - ③ Spot slowly 5  $\mu$ l of sample onto filter paper (For *E.coli* or Yeast, recommended to prepare *E.coli* or Yeast suspension with glycerol solution.)
  - ④ Remove the paper from the preservation sheet and attach it quickly onto NIG Card before the sample dries.
- For storage, NIG Card is preserved at -20°C or -80°C.  
For transportation, put back NIG Card into Aluminum Foil Bag.  
NIG Card should reach its destination within one week.

### Extraction :

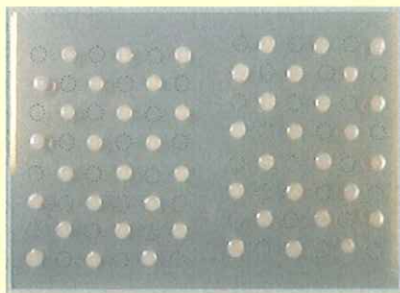
For all samples :

- ① Remove the backside film from NIG Card and attach it to 96 well microtiter plate including 50 to 100  $\mu$ l of buffer solution in each well.
- ② Confirm tight stickiness between NIG Card and the plate and then turn up and down it several times.
- ③ Use a centrifuge with swing rotor and centrifuge at 3,000 rpm for 10 minutes.

For several samples :

- ① Push out filter paper containing sample with glass stick.
- ② The sample in the filter paper is extracted by shaking in the test tube containing buffer or culture medium.
- ③ The samples are ready to use.

## Results ( Transportation ) :



You can see no contamination of *E.coli* in the well containing culture solution.

- ① Spotted alternately each 5  $\mu$ l of *E.coli* glycerol solution or culture solution.
- ② Courier delivery to Boston and back to Japan upon arrival at Boston.
- ③ Extracted the sample from each well and inoculated onto culture media agar and cultured overnight.



### Manufacturer

BioROIS Co., Ltd.

A Japanese venture company, launched from  
National Institute of Genetics.

Research Organization of Information & systems

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