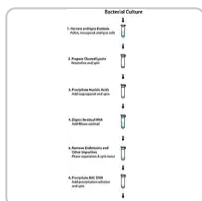


Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.

[GET YOURS HERE](#)

[Toutes les photos \(4\)](#)

Documents[FDS](#)[COO/COA](#)[Fiche des caractéristiques](#)**NA0100** ▶ **Sigma-Aldrich**

PhasePrep™ BAC DNA Kit

★★★★★ (0)

Scalable method for isolating large-molecular weight plasmids

Synonyme(s):

BAC Kit

NACRES:

NA.52

Référence	Conditionnement	Disponibilité	Prix	Quantité
NA0100-1KT	1 KIT	✓ Date d'expédition estimée le 10 octobre 2022	Détails... 736,00 €	– + i

[Demander une commande en gros](#)[Ajouter au panier](#)

PRODUITS RECOMMANDÉS

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



[Consulter le prix et la disponibilité](#)

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité 200

Temp. de stockage 15-25°C

Catégories apparentées

[Plasmid DNA Purification](#)

DESCRIPTION

Description générale

The PhasePrep™ BAC DNA Kit offers a scalable and cost-effective method for isolating large-molecular weight plasmids such as Bacterial Artificial Chromosomes (BAC) from recombinant *E. coli* cultures. The same kit can be used for preparations of four different sizes; sufficient reagents are provided for 300 micro, 180 mini, 30 midi, or 15 maxi preparations. Up to 2,12, 50, or 100 mg of BAC DNA can be recovered from 5, 40, 250, or 500 ml of overnight recombinant *E. coli* culture, respectively. The purified BAC DNA contains very low levels of endotoxin (£10 EU/mg DNA).

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



cocktail. Endotoxins and other impurities are removed by simple temperature-mediated extraction and phase separation. Finally the BAC DNA is selectively precipitated from solution.

The PhasePrep BAC DNA Kit offers a scalable and cost-effective method for isolating large-molecular weight plasmids such as Bacterial Artificial Chromosomes (BAC) from recombinant *E. coli* cultures. The same kit can be used for preparations of four different sizes; sufficient reagents are provided for 300 micro, 180 mini, 30 midi, or 15 maxi preparations. Up to 2,12, 50, or 100 mg of BAC DNA can be recovered from 5, 40, 250, or 500 mL of overnight recombinant *E. coli* culture, respectively. The purified BAC DNA contains very low levels of endotoxin (≤ 10 EU/ μ g DNA).

Recombinant *E. coli* culture is harvested by centrifugation and subjected to a modified alkaline-SDS lysis procedure. Nucleic acid is precipitated from the cleared lysate; residual RNA is removed by a short digestion at elevated temperature with an RNase cocktail. Endotoxins and other impurities are removed by simple temperature-mediated extraction and phase separation. Finally the BAC DNA is selectively precipitated from solution.

The recovered BAC DNA is predominantly in its super-coiled form, free of RNA contamination, and ready for immediate use in downstream applications, such as sequencing, restriction digestion, cloning, and PCR.

Application

PhasePrep[™] BAC DNA Kit has been used to isolate bacterial artificial chromosomes.

The recovered BAC DNA is predominantly in its super-coiled form, free of RNA contamination, and ready for immediate use in downstream applications, such as sequencing, restriction digestion, cloning, and PCR.

Caractéristiques et avantages

- Typical DNA yields of 2-100 μ g from 5-500 mL of overnight cultures
- No phenol/chloroform extraction required
- Allows possible micro to maxi preps with the same kit

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



The PhasePrep™ BAC DNA Kit offers a highly scalable, rapid, cost-effective method for isolating high molecular weight plasmids such as Bacterial Artificial Chromosomes (BACs) from recombinant *E. coli* cultures.

For additional information, please see www.sigma-aldrich.com/genelutehp.

Informations légales

PhasePrep is a trademark of Sigma-Aldrich Co. LLC

INFORMATIONS SUR LA SÉCURITÉ**Pictograms**

GHS05,GHS07,GHS08

Classification des risques

Eye Irrit. 2 - Met. Corr. 1 -
Resp. Sens. 1 - Skin Irrit. 2 -
STOT SE 3

Flash Point(F)

Not applicable

Mention d'avertissement

Danger

Organes cibles

Central nervous system

Point d'éclair C

Not applicable

Mentions de danger

H290 - H315 - H319 - H334 -
H336

**Code de la classe de
stockage**

8A - Combustible, corrosive
hazardous materials

Conseils de prudence

P234 - P261 - P264 - P271 -
P302 + P352 - P305 + P351 +
P338

WGK

WGK 2

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE



Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

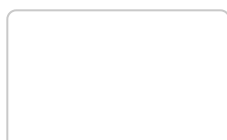
Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

LES CLIENTS ONT ÉGALEMENT CONSULTÉ

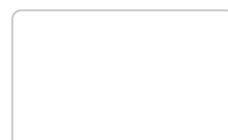


Sigma-Aldrich

PLN70

GenElute™ Plasmid Miniprep Kit

sufficient for 70 purifications



Roche

11636090910

PCR DIG Probe Synthesis Kit

sufficient for 25 reactions (50 µl final reaction volume)

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.

[GET YOURS HERE](#)[Consulter le prix et la disponibilité](#)[Consulter le prix et la disponibilité](#)

ARTICLES REVUS PAR DES PAIRS

Structure, phylogeny, allelic haplotypes and expression of sucrose transporter gene families in *Saccharum*

Qing Zhang

BMC Genomics, 17 (2016)

Comparative structural analysis of Bru1 region homeologs in *Saccharum spontaneum* and *S. officinarum*

Jisen Zhang

BMC Genomics, 17 (2016)

Evolution and expression of the fructokinase gene family in *Saccharum*

Yihong Chen

BMC Genomics, 18, 197-197 (2017)

An ADAMTS3 missense variant is associated with Norwich Terrier upper airway syndrome.

Thomas W Marchant et al.

PLoS genetics, 15(5), e1008102-e1008102 (2019-05-17)

In flat-faced dog breeds, air resistance caused by skull conformation is believed to be a major determinant of Brachycephalic Obstructive Airway Syndrome (BOAS). The clinical presentation of BOAS is heterogeneous, suggesting determinants independent of skull conformation contribute to airway disease.

Co-amplified genes at 8p12 and 11q13 in breast tumors cooperate with two major pathways in oncogenesis.

SS Kwek et al.

Oncogene, 28(17), 1892-1903 (2009-03-31)

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.

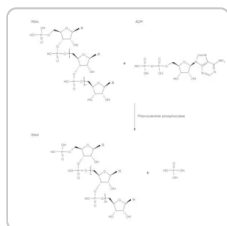


GET YOURS HERE



[Afficher tous les articles scientifiques apparentés](#)

PRODUITS CONSULTÉS RÉCEMMENT



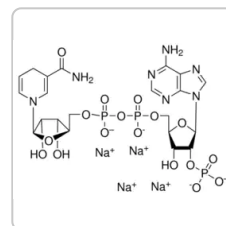
Sigma-Aldrich

N9914

Polynucleotide phosphorylase from
Synechocystis sp.

recombinant, expressed in *E. coli*

[Consulter le prix et la disponibilité](#)



Sigma-Aldrich

N9910

β -Nicotinamide adenine dinucleotide 2'-
phosphate reduced tetrasodium salt

vial of 0.30-0.36 mg

[Consulter le prix et la disponibilité](#)

Évaluations



[Soyez le premier à donner votre avis sur ce produit](#)

Questions

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.

[GET YOURS HERE](#)

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

[Contacter notre Service technique](#)

Le contenu de cette page vous a-t-il été utile ?*



Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

[Envoyer](#)

Brighten up your lab coat!

Subscribe to our scientific newsletters and make your lab mates jealous with a shiny 'Magical Flask' pin.



GET YOURS HERE

