

**EPICENTRE BIOTECHNOLOGIES**  
**726 Post Road, MADISON WI 53713**  
**Emergency Tel: 608-258-3080 or 800-284-8474 7:30-4:30 Central**  
**MATERIAL SAFETY DATA SHEET**  
Effective: 7/2010

### Section 1: Chemical Identification

The products represented by Epicentre catalog numbers BFP0701 and BRP0801 are aqueous solutions containing pIndigoBAC-5 forward or pIndigoBAC-3 reverse sequencing primers at concentrations of 50 µM in TE Buffer).

The linearized and dephosphorylated Bacterial Artificial Chromosome (BAC) Vectors pIndigoBAC-5(*BAMH* I-Cloning Ready) BACB085H and pIndigoBAC-5(*Hind* III-Cloning Ready) BACH095H- as supplied at 25 ng/µl and are not known to be hazardous.

### Section 2: Composition and Information on Hazardous Ingredients

<u>Component</u>	<u>CAS No</u>	<u>EC#</u>	<u>% Wt</u>
pIndigoBAC-5 Forward Sequencing Primer	N/A	N/A	<0.1%
pIndigoBAC-3 Reverse Sequencing Primer	N/A	N/A	<0.1%
pIndigoBAC-5( <i>BAMH</i> I-Cloning Ready) Vector	N/A	N/A	<0.1%
pIndigoBAC-5( <i>Hind</i> III-Cloning Ready) Vector	N/A	N/A	<0.1%

### Section 3: Hazards Identification

**Appearance:** Clear viscous Solutions.

**Eye:** Not available

**Skin:** Not available

**Ingestion:** Not available

**Inhalation:** Not available

Carcinogenic, Tetratogenic, Mutagenic Effects and Developmental Toxicity not available.

### Section 4: First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15-20 minutes, occasionally lifting upper and lower eyelids. Obtain medical assistance. Remove contact lenses before treatment.

**Skin:** Obtain medical assistance. Flush skin with plenty of water for at least 15-20 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Obtain medical assistance. Do **not** induce vomiting unless directed by medical person. If conscious & alert, rinse mouth and drink 2-4 cupfuls water. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical assistance.

### Section 5: Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand mode, MSHA/NIOSH (approved or equivalent), and wear full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistance foam. Use agent most appropriate to extinguish the fire.

**Flash point, Flammable Limits:** Not available

**Autoignition temperature:** Not available

**Explosion Limits, Lower and Upper:** Not available No Special Remarks Available for fire or explosion hazards.

### Section 6: Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions given in Section 8. If liquid evaporates, avoid dusty conditions. Provide ventilation. Follow local, regional and national disposal regulations and requirements. Avoid direct contact with skin or eyes.

## Section 7: Handling and Storage

Epicentre recommends all normal precautions be taken whenever all hazards are not known. We recommend wearing gloves and avoiding direct contact with skin and eyes when handling chemical and biological solutions.

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Avoid heat. Store in a cool, dry, well-ventilated area.

## Section 8: Exposure Controls/Personal Protection

**Engineering controls:** Facilities storing or using this material should be equipped with an eyewash facility and safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

**Exposure limits:** No OSHA Final or vacated PELs, not NIOSH or ACGIH listed. Avoid repeated exposure.

**Respiratory protection:** Follow respirator rules 29CFR1910.134, European Standard EN149 or other appropriate standard. Use a NIOSH/MSHA or European EN 149 approved respirator if irritation or other symptoms are experienced.

**Personal Protective Equipment:** Wear appropriate clothing and gloves to prevent skin exposure. Wear protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29CFR1910.133 or EN 166.

## Section 9: Physical and Chemical Properties

Physical state: liquid; dissolved powders

Appearance: Clear viscous solution

Odor: Not available

pH: ~7

vapor pressure and density: Not available

Evaporation rate: Not available

Viscosity: Not available

Boiling point: Not available

Melting point of undissolved solid: Not available

Decomposition temperature: Not available

Specific gravity: Not available

## Section 10: Stability and Reactivity

**Stability:** Stable

**Incompatibility:** None known

**Hazardous decomposition products:** Not available

**Hazardous polymerization:** Will not occur

## Sections 11, 12, 15: Toxicological, Ecological and Regulatory Information

**Acute Effects:** Not available

**Chronic Effects:** Not available

**Irritation Data:** Not available

**Toxicity Data:** Not available

**Target Organ Data:** Not available

## Section 13: Disposal Considerations

Dispose material and container in accordance with appropriate federal, state and local laws and regulations. Recover and recycle if possible. Processed material may require different disposal methods.

## Section 14: Transport Information

No special considerations are known.

## Section 16: Other Information

The information herein is based on information from suppliers believed to be reliable; however, EPICENTRE makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. This document is offered solely as a guide for the customer's consideration, investigation and verification. These suggestions do not replace state, municipal and/or insurance requirements. Any use of this information must be determined by the user to be in accordance with applicable Federal, state and local regulations.