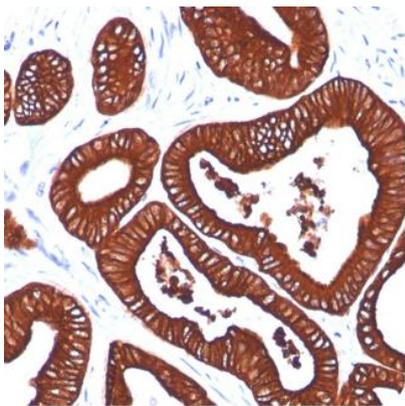


## DAB Substrate Buffer

### Product Description

Genebio Solution's DAB Substrate Buffer is a high-quality reagent designed for immunohistochemistry applications. It enhances the contrast of the brown DAB signal against hematoxylin, ensuring sharp and reliable visualization of tissue structures. The liquid formulation reduces handling risks and waste associated with powdered substrates or tablets.

Though slightly less sensitive than enhanced formulations, it provides consistent results ideal for routine diagnostic use.



### Intended Application

- For research use only.
- Suitable for use in histological tissue staining procedures.
- Not for internal use or injection.
- Discontinue use if the solution appears turbid or if past the labeled expiry date.
- Use appropriate laboratory safety protocols when handling.

### Suggested Control Tissue

Recommended for use with well-fixed paraffin-embedded or frozen tissue samples.

### Available Components

- DSB25 – 25 ml bottle
- DSB50 – 50 ml bottle
- DSB100 – 100 ml bottle
- DSB500 – 500 ml bottle
- DSB1000 – 1000 ml bottle

For bulk quantities and pricing, visit [www.genebiosolution.com](http://www.genebiosolution.com) or contact customer service.

### Safety Information

- Avoid direct contact with skin and eyes.
- Do not ingest.
- Dispose of waste materials according to applicable regulations.

### Required Reagents (Not Included)

- DAB Chromogen (Genebio Cat. #DCB)

### Staining Protocol

1. Pre-rinse slide with deionized or distilled water.
2. Prepare the working solution:
  - Mix 50–80  $\mu$ l of DAB Chromogen with 1 ml of DAB Buffer.
  - Incubate tissue with the solution for 5 minutes.
  - (Use 50  $\mu$ l/ml for standard staining; 80  $\mu$ l/ml for enhanced signal intensity.)
  - The prepared solution is stable for up to 6 hours.
  - Optional: For increased sensitivity, add 20  $\mu$ l of DAB Enhancer (Cat. #DBE030) per 1 ml of working solution.
3. Rinse slide in distilled water.
4. Repeat DAB incubation for another 5 minutes.
5. Double rinse with distilled water.
6. Apply a counterstain (e.g., hematoxylin) as desired.
7. Dehydrate, clear, and mount using a permanent mounting medium.

Storage: 2° C  8° C



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